Glenair Series ITS and ITS-RG
MIL-DTL-5015 Type Reverse Bayonet Connectors
Contact Arrangement Tables

Arrangement	Rating	Contact Number	Contact Size								
			4/0	0	4	8	12	16	16S	18	20
10SL-3	A	3							3		
10SL-4	A	2							2		
14S-1	A	3							3		
14S-2	I	4							4		
14S-5	I	5							5		
14S-6	I	6							6		
14S-7	A	3							3		
14S-9	A	2							2		
14S-07	I	7							7		
16S-1	A	7							7		
16S-4	D	2							2		
16S-5	A	3							3		
16S-8	A	5							5		
16-2	E	1					1				
16-7	A	3				1		2			
16-9	A	4					2	2			
16-10	A	3					3				
16-11	A	2					2				
16-12	A	1			1						
16-A10	I	10								10	
18-1	I	10						10			
18-3	D	2					2				
18-4	D	4						4			
18-5	D	3					2	1			
18-6	D	1			1						
18-06	A	6					4	2			
18-7	B	1				1					
18-8	A	8					1	7			
18-9	I	7					2	5			
18-10	A	4					4				
18-10S MT	A	4					4				
18-11	A	5					5				
18-12	A	6						6			
18-13	A	4				1	3				
18-16	C	1					1				
18-19	A	10						10			
18-20	A	5						5			
18-22	D	3						3			
18-30 (18-20x110°)	A	5						5			
20-2	D	1		1							
20-3	D	3					3				
20-4	D	4					4				
20-6	D	3						3			
20-7	A	8						8			
20-8	I	6				2		4			
20-9	A	8					1	7			
20-11	I	13						13			
20-14	A	5				2	3				
20-15	A	7					7				
20-16	A	9					2	7			
20-17	A	6					5	1			
20-18	A	9					3	6			
20-19	A	3				3					
20-21	A	9					1	8			
20-22	A	6				3		3			
20-23	A	2				2					
20-24	A	4				2		2			
20-A24	A	4				2		2			
20-25 (20-11x100°)	I	13						13			
20-27	A	14						14			
20-29	A	17						17			
20-30 (20-11x250°)	I	13						13			

Arrangement	Rating	Contact Number	Contact Size							
			4/0	0	4	8	12	16	18	20
20-33	A	11						11		
20-A8	I	8				2		6		
20-A9	A	9					9			
20-A48	I	19						19		
20-B8	A	8					4	4		
22-1	D	2				2				
22-2	D	3				3				
22-4	A	4				2	2			
22-5	D	6					2	4		
22-7	E	1		1						
22-9	E	3					3			
22-10	E	4						4		
22-11	B	2						2		
22-12	D	5				2		3		
22-14	A	19						19		
22-15	A	6					5	1		
22-17	A	9					1	8		
22-18	A	8						8		
22-19	A	14						14		
22-20	A	9						9		
22-21	A	3		1				2		
22-22	A	4				4				
22-23	A	8					8			
22-27	A	9				1		8		
22-28	A	7					7			
22-34	D	5					3	2		
22-82	A	10				2		8		
22-A10	A	10						10		
22-A37	A	37							37	
22-22S MT	A	4				4				
24-2	D	7					7			
24-3	A	7					2	5		
24-4	D	4		1				3		
24-5	A	16						16		
24-06	D	6				4		2		
24-6	A	8					8			
24-07	D	7					7			
24-7	A	16					2	14		
24-9	A	2			2					
24-10	A	7				7				
24-11	A	9				3	6			
24-12	A	5			2		3			
24-013	A	13					6	7		
24-19	A	12						12		
24-20	D	11					2	9		
24-22	D	4				4				
24-27	E	7						7		
24-28	I	24						24		
24-67	A	19					19			
24-A1	B	1		1						
24-A8	A	8				5		3		
24-A11	A	11				2		9		
24-A12	A	12			2			10		
24-A14	A	14			2			12		
24-A25	A	25						25		
24-A28	I	28						28		
24-A55*	I	55								55
24-G5	A	5				5				
28-1	A	9				3	6			
28-2	D	14					2	12		
28-3	E	3				3				
28-6	D	3			3					

* Only Crimp Contact Version

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Glenair Series ITS and ITS-RG
MIL-DTL-5015 Type Reverse Bayonet Connectors
Contact Arrangement Tables

Arrangement	Rating	Contact Number	Contact Size							
			4/0	0	4	8	12	16	18	20
28-09	A	9			4			5		
28-9	D	12					6	6		
28-10	A	7			2	2	3			
28-11	A	22					4	18		
28-12	A	26						26		
28-13 (28-12x100°)	A	26						26		
28-15	A	35						35		
28-16	A	20						20		
28-17	A	15						15		
28-18	I	12						12		
28-19	A	10					4	6		
28-20	A	14					10	4		
28-21	A	37						37		
28-22	D	6			3			3		
28-51	D	12					12			
28-59	A	17					7	10		
28-70	A	7				7				
28-72*	I	72								72
28-79	A	16				7		9		
28-84	A	9				9				
28-124	A	16				4		12		
28-A29	A	29				2		27		
28-A31*	A	31				6				25
28-A35	A	35						35		
28-A63	I	28					9	19		
28-B1	B	1		1						
28-B2	E	2				2				
32-1	D	5		2			3			
32-2	E	5			3			2		
32-3	D	9		1	2		2	4		
32-5	D	2		2						
32-6	A	23			2	3	2	16		
32-7	I	35					7	28		
32-8	A	30					6	24		
32-9	D	14			2			12		
32-013	D	13					13			
32-13	D	23					5	18		
32-15	D	8		2			6			
32-17	D	4			4					
32-22	A	54						54		
32-31	A	31						31		
32-59	A	42				2		40		
32-68	A	16			4			12		
32-689	A	9			3			6		
32-A5GM	A	5			5					
32-76	A	19					19			
32-79	D	5			4	1				
32-88	A	54						54		
32-A1*	A	1	1							
32-A3	E	3			3					
32-A8	A	8				8				
32-A25	A	25					25			
32-A27	A	27					10	17		
32-A28	A	28					28			
32-A30	A	30					10	20		
32-A40	A	40						40		
32-A48	I	48						48		
32-A55	A	55						55		
32-B22	A	22			2			20		
36-01*	C	1	1							
36-3	D	6		3			3			
36-4	A	3		3						
36-5	A	4		4						

Arrangement	Rating	Contact Number	Contact Size							
			4/0	0	4	8	12	16	18	20
36-6	A	6		2	4					
36-7	A	47					7	40		
36-8	A	47					1	46		
36-9	A	31			1	2	14	14		
36-10	A	48						48		
36-14	D	16				5	5	6		
36-15	A	35						35		
36-18 (36-9x100°)	A	31			1	2	14	14		
36-22	D	22					22			
36-35	A	36				4		32		
36-54=36-B39	A	39				8		31		
36-66	A	56					4	52		
36-74	A	44				1		43		
36-77	D	7			7					
36-A7	A	7		3	2		2			
36-A10	A	10			2	8				
36-A35	A	8		4				4		
36-A51	D	6		3	2			1		
36-A72	I	72					4	16	52	
36-A99*	A	65						15		50
36-B61	E	6			2		4			
36-B78	D	14				12		2		
36-B90	D	1	n.1 Special Contact							
36-D78	D	14				10		4		
40-1	D	30					6	24		
40-9	A	47				1	22	24		
40-10	A	29			4	9		16		
40-26	A	26				7	19			
40-31	D	31					31			
40-35	D	35					35			
40-47	A	47				1	22	24		
40-53	A	60						60		
40-56	A	85						85		
40-62	A	60						60		
40-63	A	61						61		
40-67	A	11			10			1		
40-100	A	100							100	
40-150	I	150							150	
40-951	A	51					25	26		
40-A3	A	5		3			2			
40-A4	A	6		4			2			
40-A5	A	5		3	1		1			
40-A5GM	A	5		5						
40-A6	B	6					6			
40-A8	E	8		4				4		
40-A9	A	9		3		6				
40-A10	D	8			4			4		
40-A14	A	14			8		6			
40-A20	D	20				2	18			
40-A24	D	24				8	16			
40-A38	A	38					38			
40-A51	A	31				15		16		
40-A55	A	5		5						
40-A56	A	85						85		
40-A62	A	62				2		60		
40-A65	A	65						65		
40-A70	A	70						70		
40-B4	E	4		4						
40-B19	A	19				19				
40-B25	A	29		4				25		
40-B37	A	37					37			
40-D4	C	4				4				
40-G4	E	4				4				

* Only Crimp Contact Version

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Glenair Series ITS and ITS-RG
MIL-DTL-5015 Type Reverse Bayonet Connectors
Insert Rotation Alternate Positions

Arrangement	α ± 2°			
	W	X	Y	Z
10SL-3				
10SL-4				
14S-1	90	180	270	
14S-2		120	240	
14S-5		110		
14S-6	90			
14S-7	90	180	270	
14S-9	70	145	215	290
14S-07				
16S-1	80			280
16S-4	35	110	250	325
16S-5	70	145	215	290
16S-8		170	265	
16-2				
16-7	80	110	250	280
16-9	35	110	250	325
16-10	90	180	270	
16-11	35	110	250	325
16-12				
16-A10	35	112	235	315
18-1	70	145	215	290
18-3	35	110	250	325
18-4	35	110	250	325
18-5	80	110	250	280
18-6				
18-06	180			
18-7				
18-8	70			290
18-9	80	110	250	280
18-10		120	240	
18-10S MT				
18-11		170	265	
18-12	80			280
18-13	80	110	250	280
18-16				
18-19		120	240	
18-20	90	180	270	
18-22	70	145	215	290
18-29	90	180	270	
18-30				
20-2				
20-3	70	145	215	290
20-4	45	110	250	

Arrangement	α ± 2°			
	W	X	Y	Z
20-6	70	145	215	290
20-7	80	110	250	280
20-8	80	110	250	280
20-9	80	110	250	280
20-11				
20-14	80	110	250	280
20-15	80			280
20-16	80	110	250	280
20-17	90	180	270	
20-18	35	110	250	325
20-19	90	180	270	
20-21	35	110	250	325
20-22•	80	110*	250*	280
20-23	35	110	250	325
20-24	35	110	250	325
20-A24	55	125	200	340
20-25				
20-27	35	110	250	325
20-29	80			280
20-30				
20-33				280
20-A8				
20-A9		110	250	
20-A48		80	280	
20-B8	80	110	250	280
22-1	35	110	250	325
22-2	70	145	215	290
22-4	35	110	250	325
22-5	35	110	250	325
22-7				
22-9	70	145	215	290
22-10	35	110	250	325
22-11	35	110	250	325
22-12	80	110	250	280
22-14	80	110	250	280
22-15	80	110	250	280
22-17	80	110	250	280
22-18	80	110	250	280
22-19	80	110	250	280
22-20	35	110	250	325
22-21	80	110	250	280
22-22		110	250	
22-23	35		250	

Arrangement	α ± 2°			
	W	X	Y	Z
22-27	80		250	280
22-28	80			280
22-34	80	110	250	280
22-82	80	110	250	280
22-A10		120	240	
22-A37	80	112	250	280
22-22S MT				
24-2	80			280
24-3	80	110	250	280
24-4	80	110	250	280
24-5	80	110	250	280
24-06	40			320
24-6	80	110	250	280
24-07	80			280
24-7	80	110	250	280
24-9	35	110	250	325
24-10	80			280
24-11	35	110	250	325
24-12	80	110	250	280
24-013				
24-19				
24-20	80	110	250	280
24-22	45	110	250	
24-27	80			280
24-28	80	110	250	280
24-67	80			335
24-A1				
24-A8				
24-A11	35	110	250	325
24-A12				
24-A14				
24-A25	80	110	250	280
24-A28	65	146	235	
24-A55	80	110	250	280
24-G5	70	110	240	270
28-1	80	110	250	280
28-2	35	110	250	325
28-3	70	145	215	290
28-6	70	145	215	290
28-09	110	250	260	280
28-9	80	110	250	280
28-10	80	110	250	280
28-11	80	110	250	280

* Rotations are for visual reference only, mating might be possible
• Custom rotations can be available upon specific request

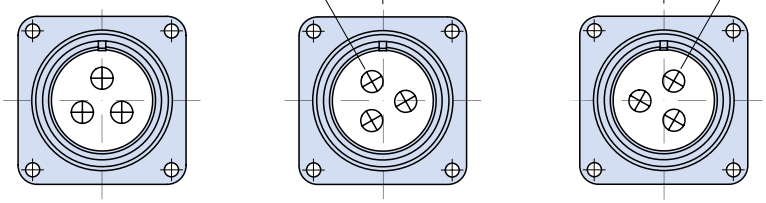
Glenair Series ITS and ITS-RG
MIL-DTL-5015 Type Reverse Bayonet Connectors
Insert Rotation Alternate Positions

Arrangement	α ± 2°			
	W	X	Y	Z
28-12	90	180	270	
28-13				
28-15	80	110	250	280
28-16	80	110	250	280
28-17	80	110	250	280
28-18	70	145	215	290
28-19	80	110	250	280
28-20	80	110	250	280
28-21	80	110	250	280
28-22	70	145	215	290
28-51	80	135	190	
28-59	35	110	250	325
28-70	80			280
28-72	72	144	216	288
28-79	70	133	227	290
28-84	45	157	90	135
28-124	80	110	250	280
28-A29	80	110	250	280
28-A31	35		260	310
28-A35	80	110	250	280
28-A63		100	260	
28-B1				
28-B2				
32-1	80	110	250	280
32-2	70	145	215	290
32-3	80	110	250	280
32-5	35	110	250	325
32-6	80	110	250	280
32-7	80	125	235	280
32-8	80	125	235	280
32-9	80	110	250	280
32-013	65	130	230	295
32-13	80	110	250	280
32-15	35	110	250	280
32-17	45	110	250	
32-22	80	110	250	280
32-31	80	125	215	280
32-59	36	108	252	324
32-68	65	135	225	275
32-689				
32-A5 GM				

Arrangement	α ± 2°			
	W	X	Y	Z
32-76	80	110	250	280
32-79				
32-88	80	110	250	280
32-A1				
32-A3	22	44	76	98
32A-8	35	122		315
32-A25	60	120		
32-A27	30	115	285	335
32-A28				
32-A30				
32-A40	35	130		
32-A48	80	125	235	
32-A55	80	110	250	280
32-B22	35	110	250	325
36-01				
36-3	70	145	215	290
36-4	70	145	215	290
36-5		120	240	
36-6	35	110	250	325
36-7	80	110	250	280
36-8	80	110	250	280
36-9	80	125	235	280
36-10	80	125	235	280
36-14	90	180	270	
36-15	60	125	245	305
36-18				
36-22	80	110	250	280
36-35				
36-54=36-B39	67			
36-66	110	250	260	280
36-74				
36-77	45	90		
36-A7				
36-A10	45	110	250	315
36-A35				
36-A51	45	135	225	315
36-A72		110		
36-A99	30	135		
36-B61				
36-B78	35	106	254	325
36-B90				

Arrangement	α ± 2°			
	W	X	Y	Z
36-D78	35	106	254	325
40-1	65	130	235	300
40-9	65	125	225	310
40-10	65	125	225	310
40-26	80	110	250	280
40-31	80	110	250	280
40-35	70	130	230	290
40-47	65	125	225	310
40-53	80	110	250	280
40-56	72	144	216	288
40-62	30	130	220	290
40-63	80			280
40-67	70	110	230	280
40-100	30	105	230	315
40-150				
40-951	90	105		
40-A3	70	145	215	290
40-A4	50	120	240	325
40-A5	33			270
40-A6	35	110	250	280
40-A5GM	33			270
40-A8	35	110	250	325
40-A9				
40-A10	65			
40-A14	80	135	195	
40-A20	80	110	250	280
40-A24				
40-A38	37			
40-A51				
40-A55				
40-A56	72	144	216	288
40-A62	80	130	230	280
40-A65	70	145	215	285
40-A70	80	110	250	280
40-B4	45	110	215	300
40-B19	35	105	255	325
40-B25				
40-B37				
40-D4				
40-G4				

Insert Rotation (front view)



Normal Position

Alternate Position with Socket Contacts

Alternate Position with Pin Contacts

U.S. CAGE Code 06324

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Glenair Series ITS and ITS-RG
MIL-DTL-5015 Type Reverse Bayonet Connectors
Insert Arrangement for Thermocouple Contacts

Arrangement	Number of contacts		Standard Insert	Alternate Position Rotation	Contact Material
	#16	#12			
10SL-51	2	—	10SL-4	45	A=Fe - B=Con
10SL-52	2	—	10SL-4	45	A=Cu- B=Con
10SL-53	2	—	10SL-4	45	A=Al - B=Ch
10SL-54	3	—	10SL-3	—	A=Fe - B=Con - C=Cu
10SL-55	3	—	10SL-3	—	A=Al - B=Ch - C=Cu
10SL-56	2	—	10SL-4	—	A=Al - B=Ch
10SL-57	2	—	10SL-4	—	A=Con - B=Ch
14S-51	2	—	14S-9	90	A=Al - B=Ch
14S-52	4	—	14S-2	45	A,B=Cu - C=Al - D=Ch
14S-53	2	—	14S-9	90	A=Fe - B=Con
14S-54	6	—	14S-6	45	A,C,E=Fe - B,D,F=Con
14S-55	4	—	14S-2	45	A,C=Fe - B,D=Con
14S-56	4	—	14S-2	45	A=Fe - B=Con - C, D=Cu
14S-57	4	—	14S-2	45	A,C=Al - B,D=Ch
14S-58	3	—	14S-4	45	A=Al - B=Ch - C=Cu
14S-59	2	—	14S-9	90	A=Cu- B=Con
14S-60	2	—	14S-9	—	A=Al - B=Ch
14S-61	6	—	14S-6	45	A=Al - B=Ch - C=Fe - D=Con - E,F=Cu
14S-63	6	—	14S-6	—	A,C=Al - B,D=Ch - E=Fe - F=Con
14S-64	4	—	14S-2	—	A,C=Con - B,D=Cu
14S-65	6	—	14S-6	—	A,C,E=Cu - B,D,F=Con
14S-67	6	—	14S-6	—	A=Al - B=Ch - Bal=Cu
14S-68	4	—	14S-2	45	A=Ch - B=Con - C,D=Cu
14S-69	3	—	14S-7	—	A=Con - B=Ch - C=Cu
14S-70	4	—	14S-2	—	A=Ch - D=Al -Bal=Cu
14S-71	4	—	14S-2	—	n°2=Ch - n°2=Con
14S-72	4	—	14S-2	—	A,C=Fe - B,D=Con
14S-73	4	—	14S-2	—	A,C=Ch - B,D=Al
14S-74	4	—	14S-2	—	A=Al - B=Ch - Bal=Cu
14S-77	6	—	14S-6	—	A,B,C=Al - D,E,F=Ch
14S-78	4	—	14S-2	—	A,B=Al - C,D=Ch
14S-79	5	—	14S-5	—	n°1=Al - n°1=Ch - Bal=Cu
14S-80	3	—	14S-7	—	n°2=Fe - n°1=Con
16S-50	5	—	16S-8	—	n°1=Con - n°1=Fe - n°3=Cu
16S-51	7	—	16S-1	—	A,F=Al - B=Ch - Bal=Cu
16S-52	2	—	16S-4	—	A=Ch - B=Al
16S-53	3	—	16S-5	—	A,B,C=Fe
16S-54	7	—	16S-1	—	A=Al - B=Ch - Bal=Cu
16S-55	2	—	16S-4	—	n°1=Con - n°1=Cu
16S-56	7	—	16S-1	—	A,D=Fe - B,E=Con - Bal=Cu
16S-57	3	—	16S-5	—	n°1=Ch - n°1=Al - n°1=Cu
16S-58	5	—	16S-8	—	n°2=Fe - n°2=Con- n°1=Cu

Materials description key: AL = Alumel, Ch = Chromel, Con = Constantan, Cu = Copper, Fe = Iron, PhBz = Phosphor Bronze. Dummy = Wire hole Plug

Degrees α ±2°

Glenair Series ITS and ITS-RG
MIL-DTL-5015 Type Reverse Bayonet Connectors
Insert Arrangement for Thermocouple Contacts

Arrangement	Number of contacts		Standard Insert	Alternate Position Rotation	Contact Material
	#16	#12			
16S-59	7	—	16S-1	—	n°3=Al - n°3=Ch- n°1=Cu
16-13	2	—	16-13	—	A=Fe - B=Con
16-52	2	—	16-11	90	A=Al - B=Ch
16-53	2	2	16-9	70	A=Al - C=Ch - B,D=Cu
16-55	—	3	16-10	45	A=Al - B=Ch - C=Cu
16-56	—	2	16-13	90	A=Con - B=Cu
16-57	—	3	16-10	—	A=Al - B=Cu - C=Ch
16-58	—	3	16-10	—	A=Con - B,C=Cu
16-60	—	2	16-13	—	A=Al - B=Ch
18-15	—	4	18-15	—	A,C=Fe - B,D=Con
18-41	4	—	18-4	—	A,C=Fe - B,D=Con
18-42	4	—	18-4	—	A,C=Al - B,D=Ch
18-43	4	—	18-4	—	A,C=Ch - B,D=Con
18-44	3	—	18-22	—	n°1=Al- n°1=Ch - n°1=Cu
18-45	5	—	18-20	—	A=Fe - B=Con - Bal=Cu
18-46	4	—	18-4	—	n°1=Ch - n°1=Al - n°2=Cu
18-47	4	—	18-4	—	A,C=Ch - B,D=Al
18-49	10	—	18-1	—	n°3=Fe - n°3=Con - Bal=Cu
18-50	—	2	18-3	—	n°1=Al - n°1=Ch
18-51	6	—	18-12	—	A,B=Fe - E,D=Con - C,F=Cu / (A=Fe - B,E=Con - D=Cu - C.F=Dummy)
18-52		5	18-11	—	A=Fe - B=Con - C=Ch - D=Al - E=Cu / (A=Fe - B=Con - C=Ch - D=Al - E=Dummy)
18-53	6	—	18-12	—	A,D=Fe - B,E=Con - C,F=Cu / (A,D=Fe - B,E=Con - C,F=Dummy)
18-54	—	4	18-15	—	A,C=Al - B,D=Ch
18-56	10	—	18-1	45	A,C,E,G,I=Fe - B,D,F,H,J=Con
18-57	6	—	18-12	45	A,C,E=Al - B,D,F=Ch
18-59	6	—	18-12	45	A,C=Fe - B,E,F=Con - D=Cu
18-60	—	5	18-11	45	A,D=Al - B,C=Ch - E=Cu
18-61	6	—	18-12	—	A,C=Fe - B,D=Con - E=Ch - F=Al
18-62	6	—	18-12	—	A,B,C=Fe - D,E,F=Con
18-63	—	4	18-15	—	A,C=Con - B,D=Cu
18-65	6	—	18-12	—	A=Fe - B=Con - Bal=Cu
18-66	10	—	18-1	—	A,C,E,G,I=Cu - B,D,F,H,J=Con
18-67	6	—	18-12	—	A,C,E=Cu- B,D,F=Con
18-68	5	—	18-11	—	A,D=Al - B,C=Ch - E=Cu
18-69	10	—	18-1	—	A=Al - B,C=Ch - Bal=Cu
18-70	—	5	18-11	—	A=Fe - B=Con - C=Ch - D=Al - E=Cu
18-71	6	—	18-12	—	n°2=Al - n°2=Ch - n°2=Cu
18-72	—	4	18-10	45	n°2=Fe - n°2=Con
18-73	—	4	18-10	—	n°2=Fe - n°2=Con
18-74	—	4	18-10	—	n°2=Con - n°2=Cu
18-75	10	—	18-1	—	n°2=Al - n°2=Ch - Bal=Cu

Materials description key: AL = Alumel, Ch = Chromel, Con = Constantan, Cu = Copper, Fe = Iron, PhBz = Phosphor Bronze. Dummy = Wire hole Plug

Degrees α ±2°

Glenair Series ITS and ITS-RG
MIL-DTL-5015 Type Reverse Bayonet Connectors
Insert Arrangement for Thermocouple Contacts

Arrangement	Number of contacts		Standard Insert	Alternate Position Rotation	Contact Material
	#16	#12			
20-222	3	3 #8	20-22	-	B=Fe - D=Con - Bal=Cu
20-50	17	-	20-29	-	n°7=Al - n°7=Ch - n°3=Cu
20-51	8	-	20-7	-	A,C,E,G=Ch - B,D,F,H=Al
20-52	-	4	20-4	315	A=Fe - B=Con - C=Ch - D=Al
20-56	-	8	20-7	45	A,B,G,H=Fe - C,D,E,F=Con
20-60	8	-	20-7	45	D=Ch - E=Al - Bal=Cu
20-61	17	-	20-29	45	A,B,M=Cu - Bal=Con
20-62	-	7	20-15	80	A,C,E=Al - B,D,F=Ch - G=Cu
20-64	14	-	20-27	-	H=Al - C=Ch - Bal=Cu
20-641	14	-	20-27	-	A,B,C,D,E,F,G=Al - H,I,J,K,L,M,N=Ch
20-65	14	-	20-27	-	A,B,C,D,E,F,G=Fe - H,I,J,K,L,M,N=Con
20-67	7	2	20-16	-	H=Al - I=Ch - Bal=Cu
20-68	8	-	20-7	-	A,B,G,H=Con - C,D,E,F=Cu
20-69	14	-	20-27	-	A,B,C,D,E,F,G=Cu - H,I,J,K,L,M,N=Con
20-70	17	-	20-29	-	A,C,E,G,J,L,N,R,T=Fe - B,D,F,H,K,M,P,S=Con
20-71	17	-	20-29	-	S=Al - R=Ch - Bal=Cu
20-74	17	-	20-29	-	A,C,E,G,J,L,N,R=Fe - B,D,F,H,K,M,P,S=Con - T=Cu
20-75	-	7	20-15	-	G=Al - Bal=Ch
20-76	17	-	20-29	-	n°8=Ch - n°8=Al - n°1=Cu
20-78	-	4	20-4	-	A=Fe - B=Con - Bal=Cu
20-80	-	3	20-3	-	A=Al - C=Ch - B=Cu
20-81	8	1	20-21	-	n°4=Al - n°4=Ch - I=Cu
20-82	14	-	20-27	-	n°4=Al - n°10=Cu
20-83	14	-	20-27	-	A,B=Ch - C,D=Al - Bal=Cu
20-84	3	3#8	20-22	-	B=Al - D=Ch - Bal=Cu
20-85	14	-	20-27	-	n°12=Ch - n°1=Al - n°1=Cu
20-86	14	-	20-27	-	n°2=Al - n°12=Ch
22-36	-	8	22-36	-	B,D,F,H=Con - A,C,E,G=Fe
22-57	19	-	22-14	45	A,C,E,G,J,L,N,R=Fe - B,D,F,H,K,M,P,S=Con - T,U,V=Cu
22-60	19	-	22-14	45	U=Al - N=Ch - Bal=Cu
22-62	-	8	22-23	300	A,B,F,G=Al - C,D,E,H=Ch
22-68	14	-	22-19	45	A,C,E,G,J,L,M=Fe - B,D,F,H,K,P,N=Con
22-69	14	-	22-19	45	A,C,E,G,J,L,M=Cu - B,D,F,H,K,P,N=Con
22-71	19	-	22-14	-	V=Al - U=Ch - Bal=Cu
22-72	4	2	20-5	-	B=Al - E=Ch - Bal=Cu
22-73	4	2	20-5	-	E=Al - B=Ch - Bal=Cu
22-74	-	8	22-23	-	A,C,E,G=Fe - B,D,F,H=Con
22-75	-	8	22-23	-	A=Al - B,D,G,H=Cu - C=Ch - E=Fe - F=Con
22-77	14	-	22-19	-	B,D,F,H,J,K,M,P=Cu - A,E,L=Fe - C,G,N=Con
22-78	19	-	22-14	-	A,C,E,G,H,K,M,P,R,T=Con - Bal=Cu
22-79	4	-	22-10	-	A,C=Con - B,D=Cu
22-81	2	3	22-34	-	E=Fe - D=Con - Bal=Cu
22-820	19	-	22-14	-	A,L,C,E,G,J=Fe - B,M,D,F,H,K=Con - N,U,P,R,S,T=Cu - V=Dummy
22-83	19	-	22-14	-	A,L,C,E,G,J=Al - B,M,D,F,H,K=Ch - N,U,P,R,S,T=Cu - V=Dummy
22-85	4	2	22-5	-	n°2=Al - n°2=Ch - Bal=Cu

Materials description key: AL = Alumel, Ch = Chromel, Con = Constantan, Cu = Copper, Fe = Iron, PhBz = Phosphor Bronze. Dummy = Wire hole Plug

Degrees α ±2°

Glenair Series ITS and ITS-RG
MIL-DTL-5015 Type Reverse Bayonet Connectors
Insert Arrangement for Thermocouple Contacts

Arrangement	Number of contacts		Standard Insert	Alternate Position Rotation	Contact Material
	#16	#12			
24-412	12	-	24-19	-	n°6=Cu - n°6=Con
24-56	9	2	24-20	45	E=Al - F=Ch - Bal=Cu
24-57	24	-	24-28	45	A,C,J,V,Y,W,K,E,H,U,S,M=Ch - Bal=Al
24-62	24	-	24-28	-	A,C,E,G=Fe - B,D,F,H=Con - R,T=Ch - S,U=Al - Bal=Cu
24-621	24	-	24-28	-	A,C,E,G,J,L,K,N,S,U,W ,Y=Fe - B,D,F,H,Q,R,M,P,T,V,X,Z=Con
24-622	24	-	24-28	-	A,C,E,G,J,L,K,N,S,U,W ,Y=Ch - B,D,F,H,Q,R,M,P,T,V,X,Z=Al
24-63	24	-	24-28	-	A,C,E,G,J,L,K,N,S,U,W ,Y=Cu - B,D,F,H,Q,R,M,P,T,V,X,Z=Con
24-64	16	-	24-5	-	A,B,C,D,E,F,G,H=Fe - J,K,L,M,N,P,R,S=Con
24-68	24	-	24-28	-	D=Con - Bal=Cu
24-69	12	-	24-19	-	n°5=Con - n°7=Cu
24-71	16	-	24-5	-	A,B,C,D,E,F,G,H=Al - J,K,L,M,N,P,R,S=Ch
28-201	4	10	28-20	-	A,C,E,G,J,P=Con - Bal=Cu
28-53	18	4	28-11	45	J,L=Al - K,M=Ch
28-58	4	10	28-20	45	A,C,E,G,K,M=Al - B,D,F,H,L,N=Ch - J,P=Cu
28-61	37	-	28-21	45	A,C,Z,m,r,n,a,K,F,H,X,k,h,T,M,N,d=Fe - Bal=Con
28-63	4	10	28-20	315	A,C,E,G,J=Al - B,D,F,H,P=Ch - Bal=Cu
28-64	35	-	28-15	-	A,d=Al - B,j=Ch - C,D,E,F,G,N,P,R,S,H,J,K,L,M,W,X,Y,Z=Con - Bal=Cu
28-65	26	-	28-12	-	A,C,E,G,J,L,N,R,T,V=Fe - X,Z=Al - B,D,F,H,K,M,P,S,U,W =Con - Y,a=Ch - b,d=Cu
28-66	20	-	28-16	-	n°10=Con - n°10=Cu
28-67	20	-	28-16	-	U=Con - Bal=Cu
28-68	35	-	28-15	45	T=Al - U=Ch - Bal=Cu
28-69	18	4	28-11	-	G=Al - R=Ch - Bal=Cu
28-700	18	4	28-11	-	A=Al - B=Ch - Bal=Cu
28-77	20	-	28-16	-	n°6=Fe - n°6=Con - Bal=Cu
28-78	35	-	28-15	-	A,B=Ch - C,D=Al - Bal=Cu
28-80	20	-	28-16	-	n°10=Fe - n°10=Con
28-81	35	-	28-15	-	n°10=Al - n°10=Ch - Bal=Cu
28-811	35	-	28-15	-	n°17=Ch - n°17=Al - n°1=Dummy
28-82	35	-	28-15	-	n°12=Fe - n°12=Con - Bal=Cu
32-50	34	6	32-8	-	M=Ch - N=Al - Bal=Cu
32-51	24	6	32-8	90	M=Ch - N=Al - Bal=Cu
32-55	24	6	32-8	125	M,N=Ch - O,P=Al - Bal=Cu
32A-401	40	-	32A-40	-	n°13=Al - n°13=Ch - n°14=Cu
36-101	48	-	36-10	-	n°24=Al - n°24=Ch
36-102	48	-	36-10	-	n°24=Ch - n°24=Con
36-53	40	7	36-7	45	U,V,W =Al - X,Y,Z=Ch - Bal=Cu
36-56	48	-	36-10	-	A,C,E,G,L,J,H,P,R,T,V,X,Z,b,d,f,h,k,q,m,n,u,w,y=Con - Bal=Cu
36-57	46	1	36-8	-	W =Al - f=Ch - Bal=Cu
36-58	35	-	36-15	-	H=Al - G=Ch - Bal=Cu
36-61	35	-	36-15	-	A,C,E,J,K,L,M,N,P,R,T,V,f,X,Y,h,j,c=Con - Bal=Cu
36-62	48	-	36-10	-	A,C,E=Al - B,D,F=Ch - Bal=Cu
36-63	48	-	36-10	-	n°16=Al - n°16=Ch - n°16=Cu
36-64	48	-	36-10	-	n°24=Fe - n°24=Con
40-58	85	-	40-56	-	A,C,E,H,K,M,P,S,U,W,Y,a,c,f,h,j,m,p,r,t,v,x,z,AB,AD,AF,AJ,AL,AN,AP,AS,AU,AW,AY,BA,BC,BE,BH,BK,BM,BP,BS,BU=Fe - Bal=Con
40-59	85	-	40-56	-	B=Ch - C=Con - Bal=Cu

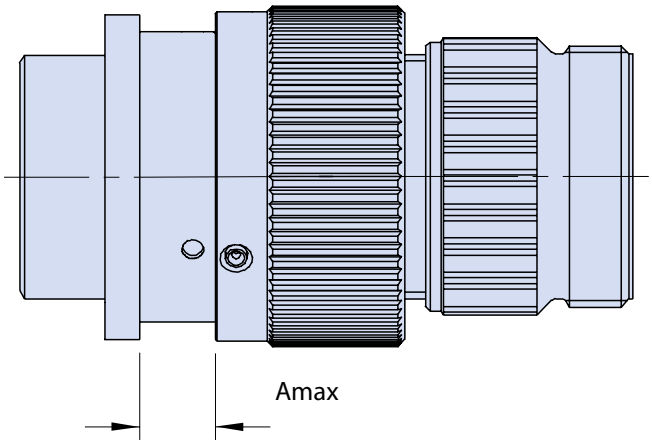
Materials description key: AL = Alumel, Ch = Chromel, Con = Constantan, Cu = Copper, Fe = Iron, PhBz = Phosphor Bronze. Dummy = Wire hole Plug

Degrees α ±2°

U.S. CAGE Code 06324

Printed in Italy

Glenair Series ITS
MIL-DTL-5015 Type Reverse Bayonet Connectors
Panel Cut-Out Mounting Data

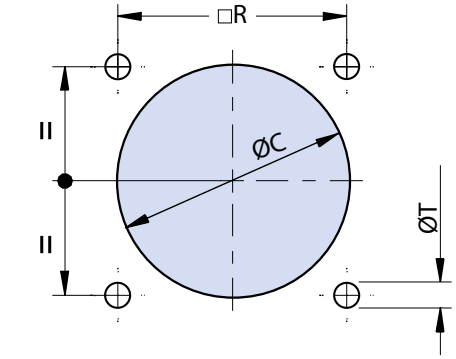


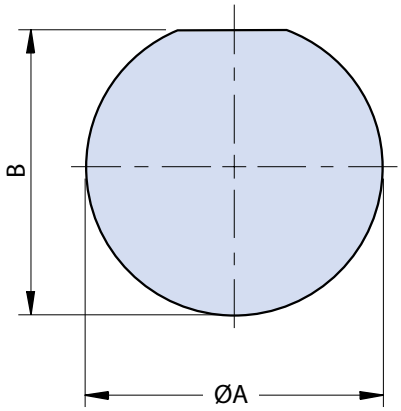
MAXIMUM PANEL THICKNESS

Panel thickness for type 00. 02 connectors used for rear mounting											
Shell size	**10SL**	**14S**	**16S 16**	**18**	**20**	**22**	**24**	**28**	**32**	**36**	**40**
A	3.7	3.7	3.7	3.7	3.7	3.7	5.25	5.25	6.1	6.1	6
Panel thickness for type 02PP. 03. 030 and 038 connectors (with threads holes)											
Shell size	**10SL**	**14S**	**16S 16**	**18**	**20**	**22**	**24**	**28**	**32**	**36**	**40**
A	7.2	7.2	7.2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Panel thickness for type 02PP. 03. 030 and 038 connectors. To be used for plugs with covered coupling nuts											
Shell size	**10SL**	**14S**	**16S 16**	**18**	**20**	**22**	**24**	**28**	**32**	**36**	**40**
A	2.5	2.5	2.5	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2

Glenair Series ITS
MIL-DTL-5015 Type Reverse Bayonet Connectors
Panel Cut-Out Mounting Data

PANEL CUTOUT





Panel Mounting Recommended Torque (Threaded Holes Receptacle)[Nm]			
Screw size	Shell Material		
	Aluminum	Marine Bronze	Stainless Steel
M4	1,1	1,6	2
M5	2,1	2,9	3,7

Jam Nut Tightening Torque for type 07, 070, 078	
Shell size	**Torque [Nm]**
10SL	18
14S	28
16S-16	30
18-20	35
22	40
24-28	45
32	50
36	55
40	60

Panel cutout for type 00, 02, 02PP, 26 connectors (front panel mounting)											
Shell size	**10SL**	**14S**	**16S 16**	**18**	**20**	**22**	**24**	**28**	**32**	**36**	**40**
ØC	17	20	23	26.5	30	33	36	42	48.50	55	61
R ±0.1	18.2	23.0	24.6	27	29.4	31.8	34.9	39.7	44.5	49.2	55.5
ØT	3.4	3.4	3.4	3.4	3.4	3.4	3.9	3.9	4.5	4.5	4.5
Panel cutout for type 03, 030, 038 connectors (rear panel mounting)											
Shell size	**10SL**	**14S**	**16S 16**	**18**	**20**	**22**	**24**	**28**	**32**	**36**	**40**
ØC	19.1	25.5	28.3	31.7	35	38.3	41.8	47.6	54.3	60.5	66.4
R ±0.1	18.2	23.0	24.6	27	29.4	31.8	34.9	39.7	44.5	49.2	55.5
ØT	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.5	5.5	5.5	5.5
Panel cutout for type 07, 070, 078 connectors (jam nut receptacles)											
Shell size	**10SL**	**14S**	**16S 16**	**18**	**20**	**22**	**24**	**28**	**32**	**36**	**40**
ØA + 0.25	22.40	28.75	31.95	35.10	38.30	41.45	44.65	51.00	57.35	63.70	70.05
ØB -0.35	21.00	27.40	30.95	33.75	36.85	40.05	43.350	49.55	55.95	62.35	68.55

Glenair Series ITS
MIL-DTL-5015 Type Reverse Bayonet Connectors
How to Order - Part Number Breakdown

Elastomer Option
Omit for Polychloroprene
FR - Fire Resistant Elastomer
S - Silicone Elastomer

Connector/Backshell Class
A - Non-Environmental
G, GR, SP - Environmental (includes Wire Sealing Grommet)
GS - Environmental (includes Wire Sealing Grommet and Grommet for Heat Shrink Tubing)
FV, F, R, RS - Environmental (includes Wire Sealing Grommet and Compression Ring)

Plug Grounding Fingers
Only for Plug

Contact Gender
P - Pin
S - Socket

Contact Options
B0 - No Contacts (Crimp Contacts Only)
B1 - Gold Plated Contacts
OMIT - Silver Plated Contacts

Mod. Code See A-39 for Plating Options

XX	ITS	G	31	00	A	20-27	P	Y	XX	N0	XXX

ITS: *Bayonet Coupling*
ITB: *Marine Bronze or Stainless Steel Shell without Stainless Steel Studs*
**see diagram*

Contact Type
31 - Solder
41 - Crimp

Shell Size and Insert Arrangement

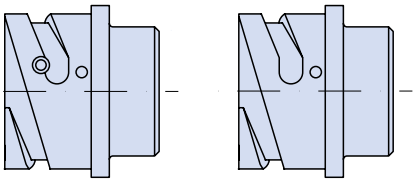
Alternate Insert Rotation
Omit for Standard

Accessory Description Code

CONNECTOR SHELL STYLES

00 - Front Panel Mount Square Flange Receptacle with Accessory Threads
01 - In-Line Cylindrical Receptacle with Accessory Threads
02 - Front Panel Mount Square Flange Receptacle—No Accessory Threads
03 - Rear Panel Mount Square Flange Receptacle—No Accessory Threads
030 - Rear Panel Mount Square Flange Receptacle with Accessory Threads
038 - Rear Panel Mount Square Flange Receptacle with 90° Backshell
05 - Dummy Receptacle
06 - Straight Cylindrical Plug Connector with Accessory Threads
07 - Rear Panel Mount Jam Nut Receptacle—No Accessory Threads
070 - Rear Panel Mount Jam Nut Receptacle with Accessory Threads
078 - Rear Panel Mount Jam Nut Receptacle with 90° Backshell
08 - Cylindrical Plug Connector with 90° Backshell
26 - Square Flange Panel Mount Plug

* ITS / ITB Diagram:



ITS Type **ITB Type**

U.S. CAGE Code 06324 Printed in Italy

Glenair Series ITS
MIL-DTL-5015 Type Reverse Bayonet Connectors
Contact Rating, Materials and Finishes

MATERIALS AND FINISHES		
COMPONENT	**MATERIAL**	**FINISH**
Contacts	Copper Alloy	Silver Plated (Standard) Gold Plated (B1)
Shells, Coupling Nuts, Backshells	Aluminum Alloy (Standard) Stainless Steel (Option) Marine Bronze (Option)	See How To Order Passivate Unplated
Inserts	Polychloroprene (Standard) -55°C +125°C Ethylene Acrylic Elastomer (FRITS) -40°C +175°C Silicone Elastomer (SITS) -55°C +200°C	None
Grommets	Polychloroprene (Standard) Fire Resistant Silicone (FRITS) Silicone Elastomer (SITS)	None
Grounding Fingers	Berillium Copper	Silver Plated
Elastomeric Sealing Rings	Nitrile Rubber, Polychloroprene, Silicone	None

STANDARD PLATING PERFORMANCE							
Property	**RoHS**					**Not RoHS**	
	Alum/Black	**Alum/Black Zn-Ni**	**Alum/Electroless Nickel**	**Marine Bronze/ Unplated**	**SST/Passivate**	**Alum/ Olive Drab Zn-Ni**	**Alum/Cadmium Olive Drab**
	F6	**F7**	**F11**	**MB**	**FK**	**F8**	**G3**
Temperature Range	-55°C + 125°C	-55°C + 175°C	-55°C + 125°C	-55°C + 200°C	-55°C + 200°C	-55°C + 175°C	-55°C + 125°C
Salt Spray Hours	500	500	48	1000	48	500	500
Electical Conductivity	NO	Very Good	Very Good	Very Good	Fair	Very Good	Very Good

SERIES 921

SUPER ITS™

High-performance reverse-bayonet power and signal connectors for harsh application environments

Glenair is one of the world's most experienced manufacturers of reverse-bayonet, 5015 type power and signal connectors. Our ITS series connectors have been used in thousands of industrial, rail, and military applications. Now Glenair has taken this proven reverse-bayonet coupling technology and combined it with next-generation materials and design to create the ultimate high-performance power and signal cylindrical connector. The Series 921 Super ITS™ features vastly improved mechanical, environmental and electrical performance compared to standard-duty 5015 type industrial connectors. From its high-ampacity LouverBand contacts to its high-temperature PTFE inserts, the Super ITS™ is the ultimate power distribution and signal transmission connector for harsh environments.

Glenair®

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Fax +39 051 782259
info@glenair.it
www.glenair.it

PRODUCT FEATURES

- Fast, Easy Bayonet Coupling: 1/4 Turn
- Environmental and Non-Environmental Versions
- All Shell Styles: Plug, Square Flange, Jam-Nut, etc.
- High Shock and Vibration Resistance
- Contact Sizes from #20 to #4/0 in more than 200 Insert Arrangements
- Audible and Visual Coupling Indicators
- Keyed Polarization
- Solder, Crimp, PCB and Thermocouple Terminations

The Ideal Connector Solution for Industrial, Rail/Mass Transit, Agricultural Machinery and Military Vehicles

Harsh Application Environments

The Glenair Series ITS Reverse Bayonet Power and Signal Connector is ideally suited for all inter-car, under-car, trainline and other rugged application connections. Qualified to VG 95234, the reverse bayonet coupling provides easier and faster coupling, especially when the connector is situated in an awkward or hard to reach location. The connector's high resistance to vibration and shock provides reliable mating in even the most rigorous application environments. Environmental protection up to IP67 levels provides additional reliability.

Broad Range of Materials

The Glenair Series ITS Connector is fabricated in aluminum with optional stainless steel or marine-bronze shell materials. All standard plating and surface finishes are supported, including conductive, cadmium free designs. Contacts are available in both silver and gold plating. Sealing members are made from resilient neoprene rubber. Standard insert material is synthetic rubber.

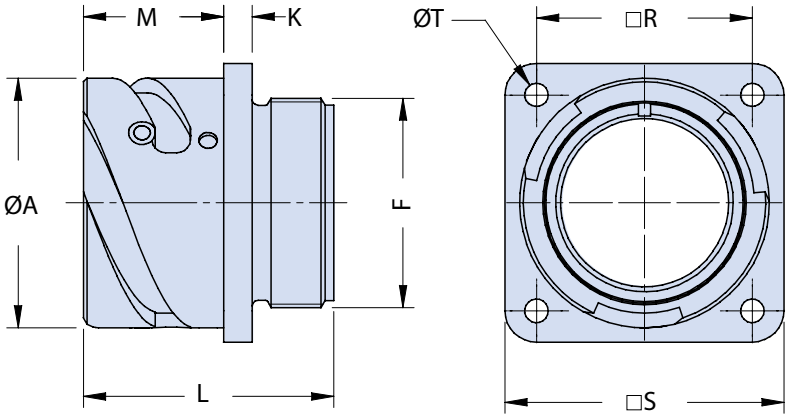
Intermateability

The Glenair Series ITS Connector is a reverse bayonet coupling version of the familiar threaded coupling MIL-DTL-5015. Insert arrangements mimic the 5015 family of configurations, including supported contact sizes, types and arrangements. The Series ITS Connector is interchangeable and intermateable with the wide range of industry-standard reverse bayonet connectors designed around MIL-DTL-5015 and/or qualified to VG 95234.

ITS 3100 A N0 and ITS 4100 A N0
Front Panel Mount Square Flange Receptacle
with Accessory Mounting Threads

XX	ITS	31	00	A	20-27	P	Y	XX	N0	XXX

- **XX** — Elastomer Option (See Table III)
- **ITS** — Reverse Bayonet Coupling
  ITS - Alumium Shell with Stainless Steel Studs
  ITB -Marine Bronze or Stainless Steel Shell without Stainless Steel Studs
  For further details, see diagram on page A-38
- **31** — Contact Type
  31 - Solder
  41 - Crimp
- **00** — *00* - Front Wall Mount
- **A** — Connector Class
  A - General Duty
  R - Sealed Insulator
- **20-27** — Shell Size and Insert Arrangement (See Section A)
- **P** — Contact Gender
  P - Pin
  S - Socket
- **Y** — Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)
- **XX** — Contact Options (See Table IV)
- **N0** — *NO* - No Backshell
  NOG - Supplied with Grommet and Compression Ring, No Backshell
- **XXX** — Mod Code Option (See Table II)



Application Notes

1. Front panel mount square flange receptacle assembly with rear threads for attachment of various backend connector accessories. Through mounting holes.
2. Connector Class "A" (general duty). Connector Class "R" (environmental): sealed insulator only with solder contacts.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.
5. A broad range of other front and rear connector accessories are available. See our website and/or contact the factory for complete information.

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TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	K ±0.2	L Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0	F Thread
10 SL	18.2	2.8	24.7	14.2	18.25	25.4	3.2	0.6250 - 24UNEF
14 S	24.5	3.2	24.9	14.2	23.00	30.4	3.2	0.7500 - 20UNEF
16 S	27.2	3.2	24.9	14.2	24.60	32.5	3.2	0.8750 - 20UNEF
16	27.2	3.2	33.9	19.0	24.60	32.5	3.2	0.8750 - 20UNEF
18	30.7	4.0	34.3	19.0	27.00	35.0	3.2	1.0000 - 20UNEF
20	34.0	4.0	34.3	19.0	29.40	38.0	3.2	1.1250 - 18UNEF
22	37.3	4.0	34.3	19.0	31.75	41.0	3.2	1.2500 - 18UNEF
24	40.9	4.0	35.8	20.6	34.90	44.5	3.7	1.3750 - 18UNEF
28	46.7	4.0	35.8	20.6	39.70	50.9	3.7	1.6250 - 18UNEF
32	53.4	4.0	37.4	22.2	44.50	57.0	4.3	1.8750 - 16UN
36	59.6	4.0	37.4	22.2	49.20	63.5	4.3	2.0625 - 16UNS
40	65.5	4.0	37.4	22.2	55.55	69.9	4.3	2.3125 - 16UNS

B

TABLE II: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

(*) For further options, please contact the factory.

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

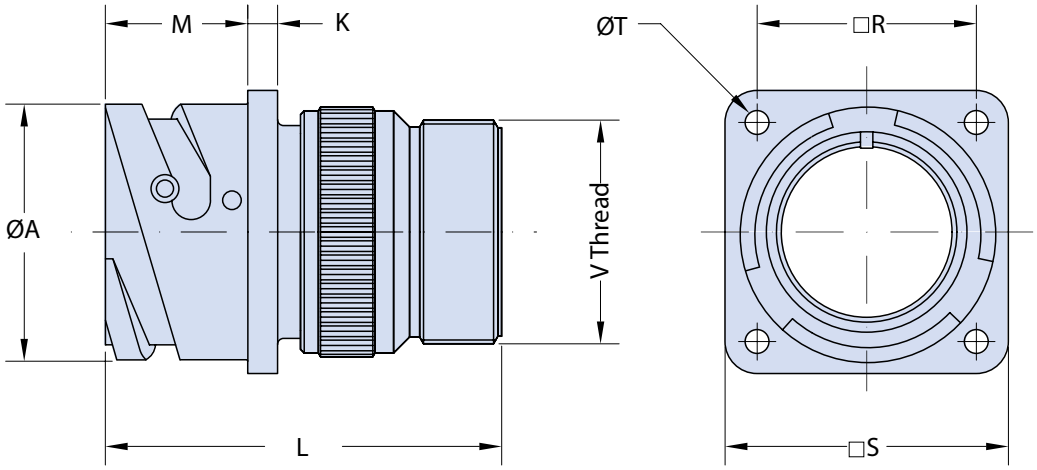
TABLE IV: MODIFICATION CODES

CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

(**) Crimp Contacts Only

ITS 3100 A and ITS 3100 R
ITS 4100 A and ITS 4100 R
Front Panel Mount Square Flange Receptacle Assembly
with Backshell for the Attachment of Additional Accessories

Elastomer Option (See Table III)	Contact Type *31* - Solder *41* - Crimp	Connector/Backshell Class *A* - Non-Environmental; Supplied with Backshell Only *R* - Environmental; Supplied with Backshell and Grommet	Contact Gender *P* - Pin *S* - Socket	Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)
XX	ITS	31	00	A	20-27	P	Y	XXX
	Reverse Bayonet Coupling *ITS* - Alumium Shell with Stainless Steel Studs *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38		*00* - Front Wall Mount		Shell Size and Insert Arrangement (See Section A)		Mod Code Option (See Table II)



Application Notes

1. Front panel mount square flange receptacle with backshell for the attachment of strain relief cable clamps or other accessories. Through mounting holes.
2. Connector/Backshell Class "A" (non-environmental)—Not supplied with wire sealing grommet; Class "R" (environmental)—Supplied with grommet.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.
5. A broad range of other front and rear connector accessories are available. See our website and/or contact the factory for complete information.
6. Order cable clamps separately.

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	K ±0.2	L Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0	V Thread
10 SL	18.2	2.8	44.0	14.2	18.25	25.4	3.2	0.6250 - 24UNEF
14 S	24.5	3.2	46.5	14.2	23.00	30.4	3.2	0.7500 - 20UNEF
16 S	27.2	3.2	46.5	14.2	24.60	32.5	3.2	0.8750 - 20UNEF
16	27.2	3.2	57.0	19.0	24.60	32.5	3.2	0.8750 - 20UNEF
18	30.7	4.0	58.0	19.0	27.00	35.0	3.2	1.0000 - 20UNEF
20	34.0	4.0	58.0	19.0	29.40	38.0	3.2	1.1875 - 18UNEF
22	37.3	4.0	58.5	19.0	31.75	41.0	3.2	1.1875 - 18UNEF
24	40.9	4.0	60.5	20.6	34.90	44.5	3.7	1.4375 - 18UNEF
28	46.7	4.0	66.5	20.6	39.70	50.9	3.7	1.4375 - 18UNEF
32	53.4	4.0	71.5	22.2	44.50	57.0	4.3	1.7500 - 18UNS
36	59.6	4.0	77.0	22.2	49.20	63.5	4.3	2.0000 - 18UNS
40	65.5	4.0	77.0	22.2	55.55	69.9	4.3	2.2500 - 16UN

TABLE II: MODIFICATION CODES

CONTACT OPTIONS		
Sym	**Description**	
B0	Connector without Contacts**	
B1	Connector with Gold Plated Contacts	
Omit for standard version (Silver plated)		
STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

(*) For further options, please contact the factory.

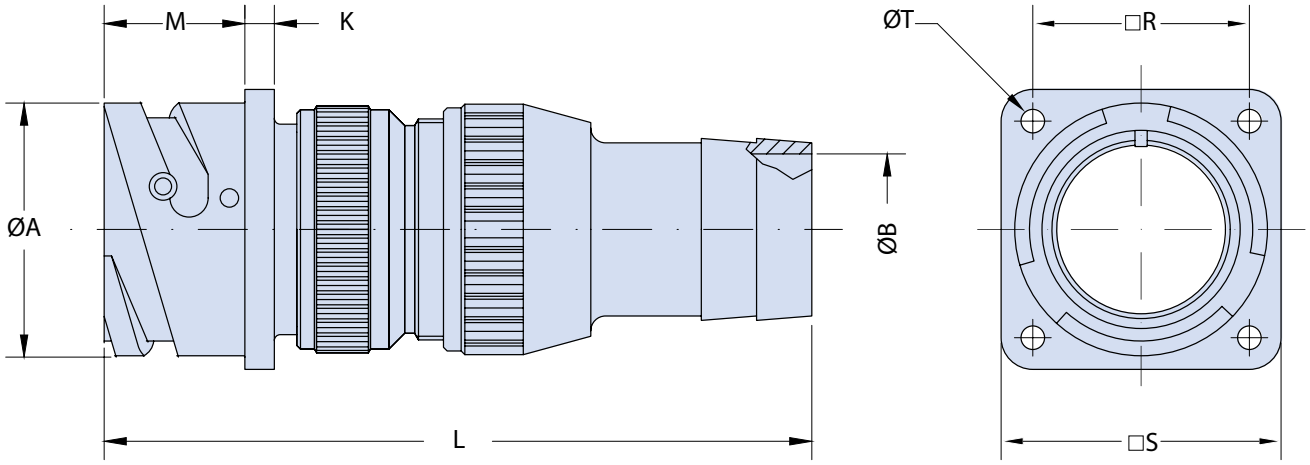
(**) Crimp Contacts Only

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

ITS 3100 A BR and ITS 3100 R BR
ITS 4100 A BR and ITS 4100 R BR
Front Panel Mount Square Flange Receptacle Assembly
with Backshell for Termination of UNI4883 Rubber Conduits

Elastomer Option (See Table IV)	Contact Type	Connector/Backshell Class	Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)	UNI4883 Backshell Adapter Shell Size Designator (See Table II)						
	31 - Solder *41* - Crimp	*A* - Non-Environmental; Supplied with Backshell Only *R* - Environmental; Supplied with Backshell and Grommet								
XX	**ITS**	**31**	**00**	**A**	**20-27**	**P**	**Y**	**XX**	**BR2722**	**XXX**
Reverse Bayonet Coupling *ITS* - Alumium Shell with Stainless Steel Studs *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38			*00* - Front Wall Mount		Shell Size and Insert Arrangement (See Section A)	Contact Gender *P* - Pin *S* - Socket		Contact Options (See Table V)		Mod Code Option (See Table III)



Application Notes

1. Front panel mount square flange receptacle with rear-end backshell for termination of UNI4883 type rubber conduit. Through mounting holes.
2. Connector/Backshell Class "A" (non-environmental)—Not supplied with wire sealing grommet; Class "R" (environmental)—Supplied with grommet.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

ITS 3100 A BR and ITS 3100 R BR
ITS 4100 A BR and ITS 4100 R BR
Front Panel Mount Square Flange Receptacle Assembly
with Backshell for Termination of UNI4883 Rubber Conduits

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	ØB ±0.1	K ±0.2	L Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	18.2	See Table III Below	2.8	90.0	14.2	18.25	25.4	3.2
14 S	24.5		3.2	91.5	14.2	23.00	30.4	3.2
16 S	27.2		3.2	91.5	14.2	24.60	32.5	3.2
16	27.2		3.2	103.0	19.0	24.60	32.5	3.2
18	30.7		4.0	103.0	19.0	27.00	35.0	3.2
20	34.0		4.0	103.0	19.0	29.40	38.0	3.2
22	37.3		4.0	103.0	19.0	31.75	41.0	3.2
24	40.9		4.0	104.5	20.6	34.90	44.5	3.7
28	46.7		4.0	111.0	20.6	39.70	50.9	3.7
32	53.4		4.0	116.5	22.2	44.50	57.0	4.3
36	59.6		4.0	122.0	22.2	49.20	63.5	4.3
40	65.5		4.0	122.0	22.2	55.55	69.9	4.3

TABLE II: BACKSHELL DIMENSIONS

Shell Size	Rubber tube in accordance with UNI 4883 to be used by size		ØB ±0.1
	Ø Min	Ø Max	
10 SL	12.0	17.0	10.5
14 S	22.0	27.0	16.5
16-16S	12.0	17.0	10.5
16-16S	15.0	20.0	14.0
18	22.0	27.0	20.5
20 - 22	12.0	17.0	10.5
20 - 22	20.0	25.0	18.5
20 - 22	22.0	27.0	20.5
20 - 22	28.0	33.0	25.0
20 - 22	30.0	35.0	28.5
20 - 22	33.0	38.0	31.5
24 - 28	20.0	25.0	18.5
24 - 28	22.0	27.0	20.5
24 - 28	25.0	30.0	23.5
24 - 28	28.0	33.0	26.5
24 - 28	30.0	35.0	28.5
24 - 28	33.0	38.0	31.5
24 - 28	45.0	50.0	43.5
32	25.0	30.0	23.5
32	28.0	33.0	26.5
32	30.0	35.0	28.5
32	35.0	40.0	31.5
32	40.0	45.0	38.5
32	45.0	50.0	40.0
36	30.0	35.0	28.5
36	35.0	40.0	31.5
36	45.0	50.0	43.5
40	30.0	35.0	28.5
40	35.0	40.0	31.5
40	40.0	45.0	38.5
40	45.0	50.0	43.5
40	50.0	55.0	48.5

TABLE III: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

(*) For further options, please contact the factory.

TABLE IV

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

TABLE V: MODIFICATION CODES

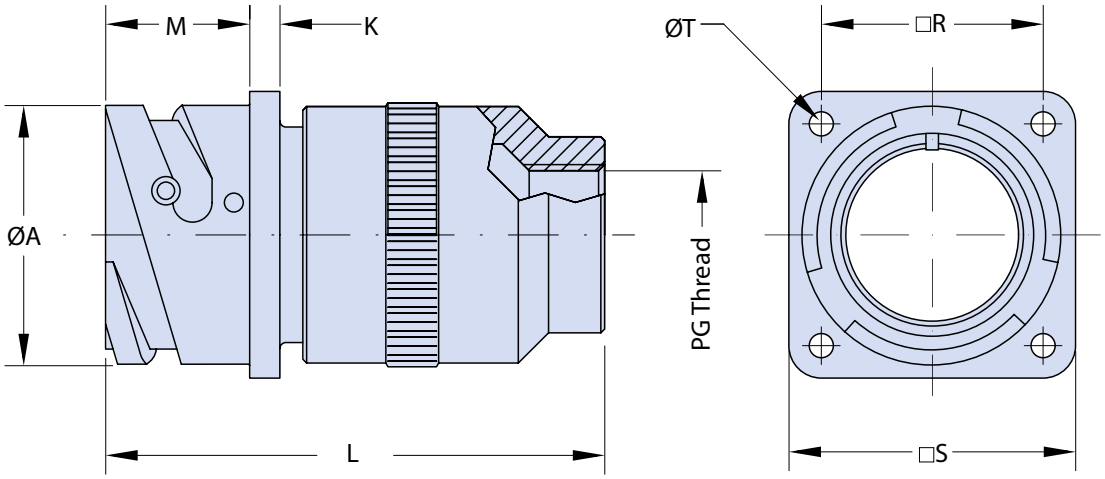
CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

(**) Crimp Contacts Only

ITS 3100 A PG and ITS 3100 R PG
ITS 4100 A PG and ITS 4100 R PG
Front Panel Mount Square Flange Receptacle Assembly
with Backshell for Attachment of PG Cable Glands

Elastomer Option (See Table III)	Contact Type	Connector/Backshell Class		Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)		Mod Code Option (See Table II)				
XX	ITS	31	00	A	20-27	P	Y	XX	PG16	XXX

- **ITS** - Reverse Bayonet Coupling
  - *ITS* - Alumium Shell with Stainless Steel Studs
  - *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs
  - For further details, see diagram on page A-38
- **31** - Contact Type
  - *31* - Solder
  - *41* - Crimp
- **00** - Connector/Backshell Class
  - *00* - Front Wall Mount
- **A** - Connector/Backshell Class
  - *A* - Non-Environmental; Supplied with Backshell Only
  - *R* - Environmental; Supplied with Backshell and Grommet
- **20-27** - Shell Size and Insert Arrangement (See Section A)
- **P** - Contact Gender
  - *P* - Pin
  - *S* - Socket
- **Y** - Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)
- **XX** - Contact Options (See Table IV)
- **PG16** - PG Thread (See Table I)
- **XXX** - Mod Code Option (See Table II)



Application Notes

1. Front panel mount square flange receptacle assembly with backshell for attachment of PG cable glands (not included). Through mounting holes.
2. Connector/Backshell Class "A" (non-environmental) - Not supplied with wire sealing grommet
   Class "R" (environmental) - Supplied with grommet.
3. Standard materials confinguration consists of aluminium alloy. For plating, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.
5. Other types of front and rear connector accessories are available.
   See our website and/or contact the factory for complete information.

ITS 3100 A PG and ITS 3100 R PG
ITS 4100 A PG and ITS 4100 R PG
Front Panel Mount Square Flange Receptacle Assembly
with Backshell for Attachment of PG Cable Glands

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	K ±0.2	L Max.	M +0.4 -0	PG Thread Other PG Threads available on request	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	18.2	2.8	52.0	14.2	7 / 9 / 11	18.25	25.4	3.2
14 S	24.5	3.2	54.5	14.2	9/ 11 / 13.5	23.00	30.4	3.2
16 S	27.2	3.2	54.5	14.2	11 / 13.5 / 16	24.60	32.5	3.2
16	27.2	3.2	70.0	19.0	11 / 13.5 / 16	24.60	32.5	3.2
18	30.7	4.0	70.0	19.0	13.5 / 16 / 21	27.00	35.0	3.2
20	34.0	4.0	71.5	19.0	13.5 / 16 / 21	29.40	38.0	3.2
22	37.3	4.0	71.5	19.0	13.5 / 16 / 21	31.75	41.0	3.2
24	40.9	4.0	76.5	20.6	16 / 21/ 29	34.90	44.5	3.7
28	46.7	4.0	76.5	20.6	16 / 21/ 29	39.70	50.9	3.7
32	53.4	4.0	84.0	22.2	16 / 21/ 29	44.50	57.0	4.3
36	59.6	4.0	89.0	22.2	21 / 29 / 36	49.20	63.5	4.3
40	65.5	4.0	94.0	22.2	21 / 29 / 36	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

TABLE IV: MODIFICATION CODES

CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

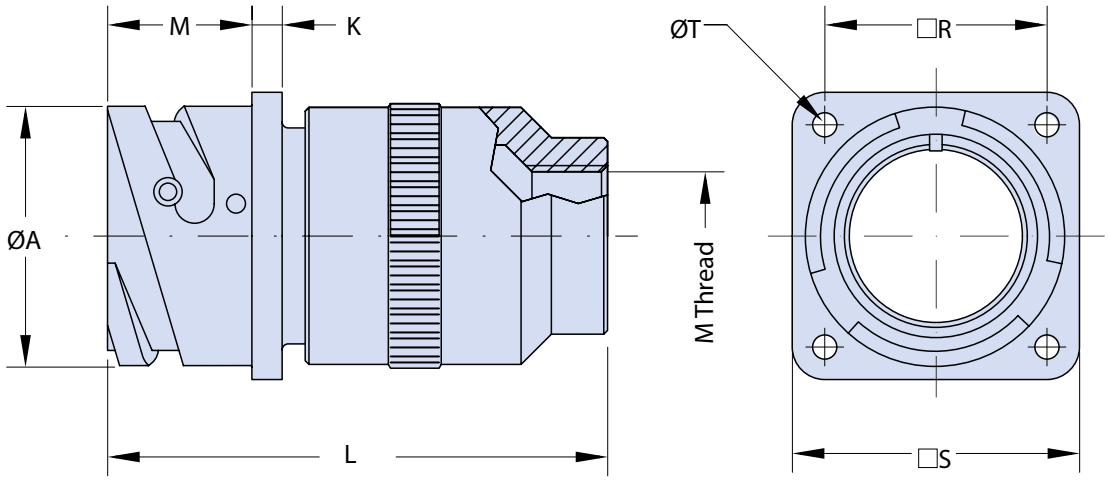
(*) For further options, please contact the factory.

(**) Crimp Contacts Only

ITS 3100 A FM and ITS 3100 R FM
ITS 4100 A FM and ITS 4100 R FM
Front Panel Mount Square Flange Receptacle Assembly
with Backshell for use with Metric Cable Glands

Elastomer Option (See Table III)	Contact Type	Connector/Backshell Class	Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)	Mod Code Option (See Table II)
	31 - Solder *41* - Crimp	*A* - Non-Environmental; Supplied with Backshell Only *R* - Environmental; Supplied with Backshell and Grommet		

XX	ITS	31	00	A	20-27	P	Y	XX	FM25	XXX
	Reverse Bayonet Coupling *ITS* - Alumium Shell with Stainless Steel Studs *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38		*00* - Front Wall Mount		Shell Size and Insert Arrangement (See Section A)	Contact Gender *P* - Pin *S* - Socket		Contact Options (See Table IV)		Metric Thread Size (See Table I)



Application Notes

1. Front panel mount square flange receptacle assembly with backshell for use with metric cable glands (not included). Through mounting holes.
2. Connector/Backshell Class "A" (non-environmental)—Not supplied with wire sealing grommet; Class "R" (environmental)—Supplied with grommet.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.
5. Metric cable gland not included.

ITS 3100 A FM and ITS 3100 R FM
ITS 4100 A FM and ITS 4100 R FM
Front Panel Mount Square Flange Receptacle Assembly
with Backshell for use with Metric Cable Glands

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	K ±0.2	L Max.	M +0.4 -0	M Thread Other M Threads available on request	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	18.2	2.8	52.0	14.2	M 12X1,5	18.25	25.4	3.2
14 S	24.5	3.2	54.5	14.2	M 16X1,5	23.00	30.4	3.2
16 S	27.2	3.2	54.5	14.2	M 16X1,5	24.60	32.5	3.2
16	27.2	3.2	70.0	19.0	M 16X1,5	24.60	32.5	3.2
18	30.7	4.0	71.0	19.0	M 20X1,5	27.00	35.0	3.2
20	34.0	4.0	71.5	19.0	M 25X1,5	29.40	38.0	3.2
22	37.3	4.0	71.5	19.0	M 25X1,5	31.75	41.0	3.2
24	40.9	4.0	71.5	20.6	M 32X1,5	34.90	44.5	3.7
28	46.7	4.0	71.5	20.6	M 32X1,5	39.70	50.9	3.7
32	53.4	4.0	84.0	22.2	M 36X1,5	44.50	57.0	4.3
36	59.6	4.0	109.0	22.2	M 40X1,5	49.20	63.5	4.3
40	65.5	4.0	109.0	22.2	M 40X1,5	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

TABLE IV: MODIFICATION CODES

CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

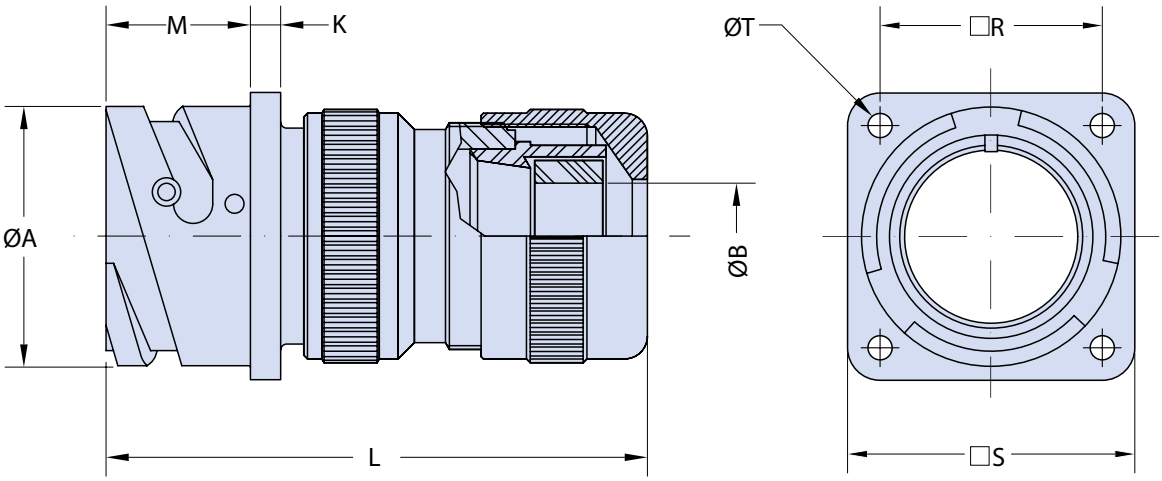
(*) For further options, please contact the factory.

(**) Crimp Contacts Only

ITS 3100 A PHM and ITS 3100 R PHM
ITS 4100 A PHM and ITS 4100 R PHM
Front Panel Mount Square Flange Receptacle Assembly
with Environmental PHM Backshell

Elastomer Option (See Table III)	Contact Type	Connector/Backshell Class	Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)	Mod Code Option (See Table II)
	31 - Solder *41* - Crimp	*A* - Non-Environmental; Supplied with Backshell Only *R* - Environmental; Supplied with Backshell and Grommet		

XX	ITS	31	00	A	20-27	P	Y	XX	PHM11	XXX
	Reverse Bayonet Coupling *ITS* - Alumium Shell with Stainless Steel Studs *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38		*00* - Front Wall Mount		Shell Size and Insert Arrangement (See Section A)	Contact Gender *P* - Pin *S* - Socket		Contact Options (See Table IV)	PHM Size (See Table I)	



Application Notes

1. Front panel mount square flange receptacle with environmental PHM backshell. Through mounting holes.
2. Connector/Backshell Class "A" (non-environmental)—Not supplied with wire sealing grommet; Class "R" (environmental)—Supplied with grommet.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

TABLE I: DIMENSIONS

Shell Size	PHM Size	ØA +0.2 -0.1	ØB Min. - Max.	K ±0.2	L Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	9	18.2	2 - 9	2.8	64.0	14.2	18.25	25.4	3.2
14 S	11	24.5	2 - 11	3.2	66.5	14.2	23.00	30.4	3.2
16 S	11	27.2	2 - 11	3.2	66.5	14.2	24.60	32.5	3.2
16	11	27.2	2 - 11	3.2	77.0	19.0	24.60	32.5	3.2
18	11 / 18	30.7	2 - 11 / 2 - 16.5	4.0	78.0	19.0	27.00	35.0	3.2
20	11 / 18	34.0	2 - 11 / 2 - 16.5	4.0	78.0	19.0	29.40	38.0	3.2
22	18	37.3	2 - 16.5	4.0	78.5	19.0	31.75	41.0	3.2
24	18 / 22 / 24	40.9	2 - 16.5 / 15 - 20 / 19 - 24	4.0	83.5	20.6	34.90	44.5	3.7
28	18 / 22 / 24	46.7	2 - 16.5 / 15 - 20 / 19 - 24	4.0	89.5	20.6	39.70	50.9	3.7
32	22 / 24	53.4	15 - 20 / 19 - 24	4.0	94.5	22.2	44.50	57.0	4.3
36	35	59.6	23 - 35	4.0	106.0	22.2	49.20	63.5	4.3
40	35	65.5	23 - 35	4.0	106.0	22.2	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

TABLE IV: MODIFICATION CODES

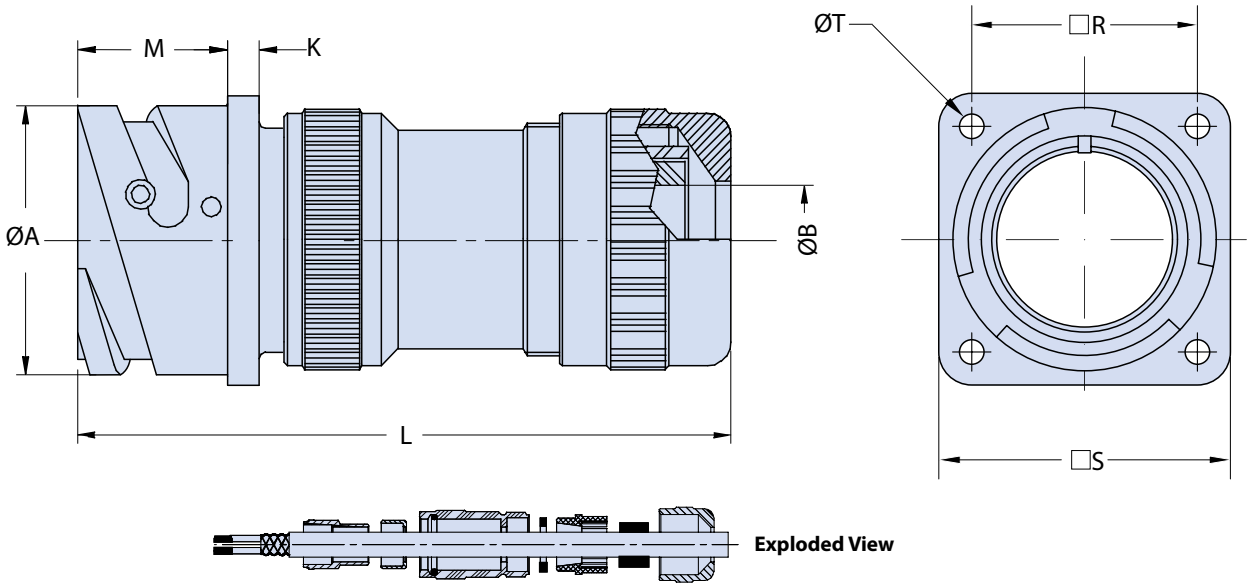
CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

(*) For further options, please contact the factory.

(**) Crimp Contacts Only

ITS 3100 A PHM-EMI67 and ITS 4100 A PHM-EMI67
Front Panel Mount Square Flange Receptacle Assembly
with EMI/RFI PHM Backshell

Elastomer Option (See Table III)	Contact Type *31* - Solder *41* - Crimp	Connector/Backshell Class *A* - Non-Environmental; Supplied with Backshell Only	Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)		PHM Size (See Table I)				
XX	ITS	31	00	A	20-27	P	Y	XX	PHM18EMI67	XXX
Reverse Bayonet Coupling *ITS* - Alumium Shell with Stainless Steel Studs *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38			*00* - Front Wall Mount		Shell Size and Insert Arrangement (See Section A)	Contact Gender *P* - Pin *S* - Socket		Contact Options (See Table IV)		Mod Code Option (See Table II)



Application Notes

1. Front panel mount square flange receptacle assembly with an EMI/RFI PHM backshell. Through mounting holes.
2. Connector/Backshell Class "A" (non-environmental)—Wire sealing grommet not required.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

TABLE I: DIMENSIONS

Shell Size	PHM Size	ØA +0.2 -0.1	ØB Min. - Max.	K ±0.2	L Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	9	18.2	2 - 9	2.8	74.0	14.2	18.25	25.4	3.2
14 S	11	24.5	2 - 11	3.2	88.5	14.2	23.00	30.4	3.2
16 S	11	27.2	2 - 11	3.2	88.5	14.2	24.60	32.5	3.2
16	11	27.2	2 - 11	3.2	98.0	19.0	24.60	32.5	3.2
18	11/18	30.7	2 - 11/ 2 - 16.5	4.0	100.5	19.0	27.00	35.0	3.2
20	11/18	34.0	2 - 11/ 2 - 16.5	4.0	101.0	19.0	29.40	38.0	3.2
22	18	37.3	2 - 16.5	4.0	101.5	19.0	31.75	41.0	3.2
24	18/22	40.9	2 - 16.5 /15 - 20	4.0	104.5	20.6	34.90	44.5	3.7
28	22	46.7	15 - 20	4.0	109.5	20.6	39.70	50.9	3.7
32	24	53.4	19 - 24	4.0	112.0	22.2	44.50	57.0	4.3
36	35	59.6	23 - 35	4.0	118.0	22.2	49.20	63.5	4.3
40	35	65.5	23 - 35	4.0	118.0	22.2	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

TABLE IV: MODIFICATION CODES

CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

(*) For further options, please contact the factory.

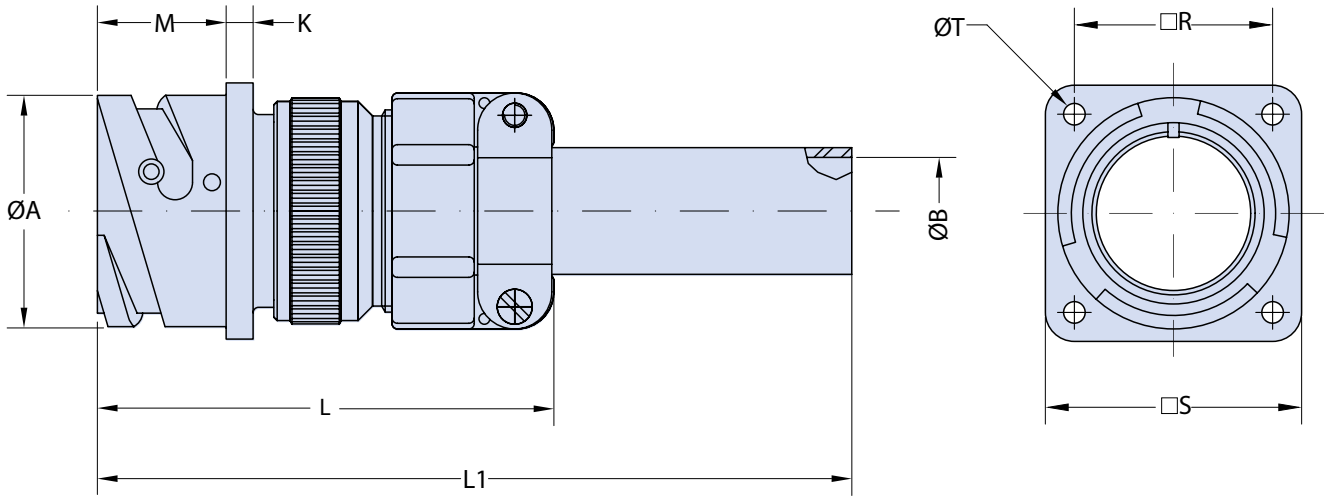
(**) Crimp Contacts Only

ITS 3100 F and ITS 4100 F
Front Panel Mount Square Flange Receptacle Assembly
with Class A IT3057 Cable Clamp and Polychloroprene Bushing

Elastomer Option (See Table III)	Contact Type	Connector/Backshell Class	Alternate Insert Rotation	Mod Code Option
	31 - Solder *41* - Crimp	*F* - Environmental; Supplied with Grommet , Cable Clamp and Polychloroprene Bushing	(W, X, Y, Z) Omit for Normal (See Section A)	(See Table II)

XX	ITS	31	00	F	20-27	P	Y	XXX

Reverse Bayonet Coupling	*00* - Front Wall Mount	Shell Size and Insert Arrangement (See Section A)	Contact Gender
ITS - Alumium Shell with Stainless Steel Studds *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38			*P* - Pin *S* - Socket



Application Notes

1. Front panel mount square flange receptacle assembly with an insulating grommet, environmental backshell, class A IT3057 cable clamp for use with individual wires and polychloroprene bushing. Through mounting holes.
2. Environmental class "F". Wire sealing grommet supplied.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	ØB ±0.1	K ±0.2	L Max.	L1 Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	18.2	5.58	2.8	56.0	114.0	14.2	18.25	25.4	3.2
14 S	24.5	7.92	3.2	60.0	114.0	14.2	23.00	30.4	3.2
16 S	27.2	11.09	3.2	61.5	114.0	14.2	24.60	32.5	3.2
16	27.2	11.09	3.2	72.0	120.5	19.0	24.60	32.5	3.2
18	30.7	14.27	4.0	73.0	120.5	19.0	27.00	35.0	3.2
20	34.0	15.87	4.0	73.0	120.5	19.0	29.40	38.0	3.2
22	37.3	15.87	4.0	73.5	120.5	19.0	31.75	41.0	3.2
24	40.9	19.05	4.0	77.0	120.5	20.6	34.90	44.5	3.7
28	46.7	19.05	4.0	83.0	120.5	20.6	39.70	50.9	3.7
32	53.4	23.79	4.0	88.0	122.5	22.2	44.50	57.0	4.3
36	59.6	31.75	4.0	94.5	124.5	22.2	49.20	63.5	4.3
40	65.5	34.92	4.0	108.5	124.5	22.2	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

CONTACT OPTIONS		
Sym	**Description**	
B0	Connector without Contacts**	
B1	Connector with Gold Plated Contacts	
Omit for standard version (Silver plated)		
STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓

(*) For further options, please contact the factory.

(**) Crimp Contacts Only

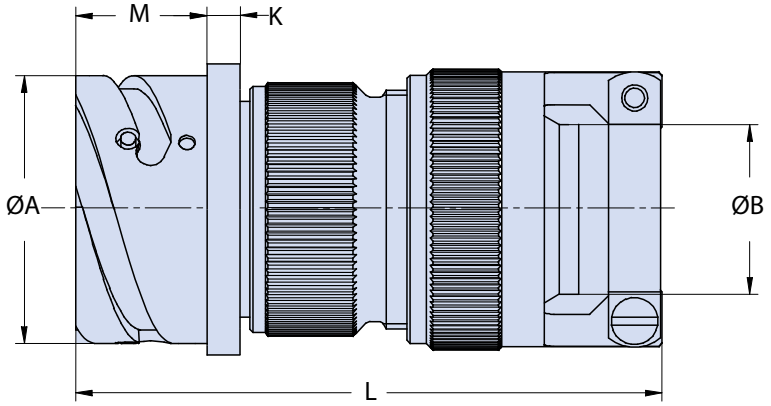
TABLE III

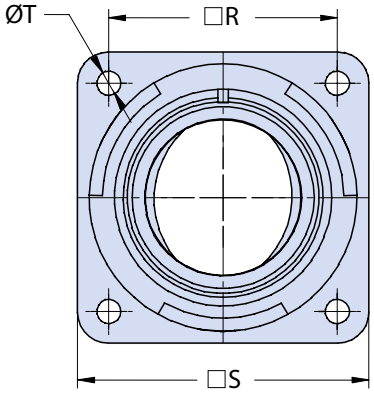
ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

ITS 3100 A N5 and ITS 3100 R N5
ITS 4100 A N5 and ITS 4100 R N5
Front Panel Mount Square Flange Receptacle Assembly
with Class C (Environmental) IT3057 Cable Clamp

Elastomer Option (See Table III)	Contact Type	Connector/Backshell Class	Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)	Class "C" Environmental Cable Clamp
	31 - Solder *41* - Crimp	*A* - Non-Environmental; Supplied with Backshell Only *R* - Environmental; Supplied with Backshell and Grommet		

XX	ITS	31	00	A	20-27	P	Y	XX	N5	XXX
	Reverse Bayonet Coupling *ITS* - Alumium Shell with Stainless Steel Studs *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38		*00* - Front Wall Mount		Shell Size and Insert Arrangement (See Section A)	Contact Gender *P* - Pin *S* - Socket		Contact Options (See Table IV)		Mod Code Option (See Table II)





Application Notes

1. Front panel mount square flange receptacle assembly with a class C (environmental) IT3057 cable clamp for use with jacketed cable. Through mounting holes.
2. Connector/Backshell Class "A" (non-environmental)—Not supplied with wire sealing grommet; Class "R" (environmental)—Supplied with grommet.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	ØB		K ±0.2	L Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0
		Open	Closed						
10 SL	18.2	7.93	2.38	2.8	73.0	14.2	18.25	25.4	3.2
14 S	24.5	11.12	5.84	3.2	76.0	14.2	23.00	30.4	3.2
16 S	27.2	13.48	8.00	3.2	73.0	14.2	24.60	32.5	3.2
16	27.2	13.48	8.00	3.2	84.0	19.0	24.60	32.5	3.2
18	30.7	15.87	9.60	4.0	88.0	19.0	27.00	35.0	3.2
20	34.0	19.00	11.30	4.0	90.0	19.0	29.40	38.0	3.2
22	37.3	19.00	11.30	4.0	89.0	19.0	31.75	41.0	3.2
24	40.9	23.80	15.50	4.0	95.0	20.6	34.90	44.5	3.7
28	46.7	23.80	15.50	4.0	103.0	20.6	39.70	50.9	3.7
32	53.4	31.75	23.40	4.0	111.0	22.2	44.50	57.0	4.3
36	59.6	35.00	23.40	4.0	123.0	22.2	49.20	63.5	4.3
40	65.5	41.25	29.90	4.0	123.0	22.2	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

TABLE IV: MODIFICATION CODES

CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

(*) For further options, please contact the factory.

(**) Crimp Contacts Only

ITS 3100 G and ITS 4100 G
Front Panel Mount Square Flange Receptacle Assembly
with Environmental Backshell for Heat Shrink Tubing

Elastomer Option (See Table III)	Contact Type	Connector/Backshell Class	Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)	Mod Code Option (See Table II)
XX	ITS	31	00	G	20-27	P	Y	XXX

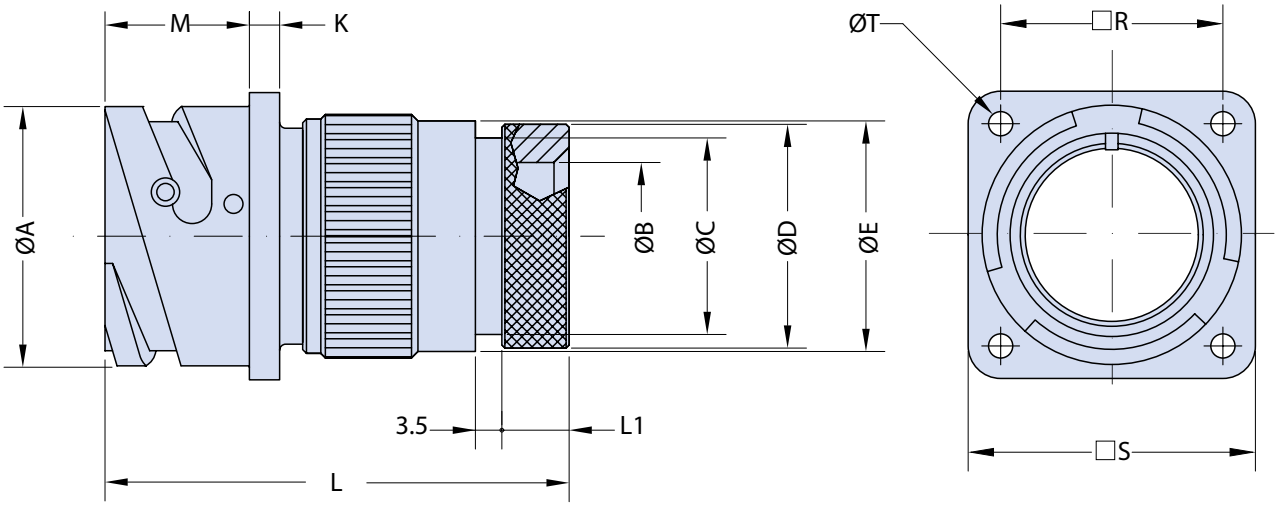
ITS - Reverse Bayonet Coupling
- ***ITS*** - Alumium Shell with Stainless Steel Studs
- ***ITB*** - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs

For further details, see diagram on page A-38

00 - Front Wall Mount

20-27 - Shell Size and Insert Arrangement (See Section A)

P - Contact Gender
- ***P*** - Pin
- ***S*** - Socket



Application Notes

1. Front mount square flange receptacle assembly with backshell for heat shrink tubing. Through mounting holes.
2. Connector/Backshell Class "G" (environmental)—Wire Sealing grommet supplied.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	ØB Min.	ØC ±0.1	ØD ±0.2	ØE ±0.2	K ±0.2	L Max.	L1 Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	18.2	8.5	13.0	15.5	17.0	2.8	53.0	8.2	14.2	18.25	25.4	3.2
14 S	24.5	12.0	16.5	19.1	20.1	3.2	53.5	8.2	14.2	23.00	30.4	3.2
16 S	27.2	14.5	21.5	23.9	23.5	3.2	53.5	8.2	14.2	24.60	32.5	3.2
16	27.2	14.5	21.5	23.9	23.5	3.2	65.5	8.0	19.0	24.60	32.5	3.2
18	30.7	17.5	21.7	23.9	26.5	4.0	66.0	8.0	19.0	27.00	35.0	3.2
20	34.0	19.5	26.0	29.6	30.5	4.0	66.5	8.9	19.0	29.40	38.0	3.2
22	37.3	22.0	26.0	29.6	33.6	4.0	66.5	8.9	19.0	31.75	41.0	3.2
24	40.9	25.0	34.5	37.8	36.1	4.0	66.5	9.2	20.6	34.90	44.5	3.7
28	46.7	29.0	34.5	37.8	41.4	4.0	66.5	9.2	20.6	39.70	50.9	3.7
32	53.4	34.0	43.6	47.8	48.6	4.0	84.0	11.7	22.2	44.50	57.0	4.3
36	59.6	38.5	43.6	47.8	54.8	4.0	84.0	11.7	22.2	49.20	63.5	4.3
40	65.5	48.0	52.6	57.8	60.9	4.0	84.0	11.7	22.2	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

CONTACT OPTIONS		
Sym	**Description**	
B0	Connector without Contacts**	
B1	Connector with Gold Plated Contacts	
Omit for standard version (Silver plated)		
STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

(*) For further options, please contact the factory.

(**) Crimp Contacts Only

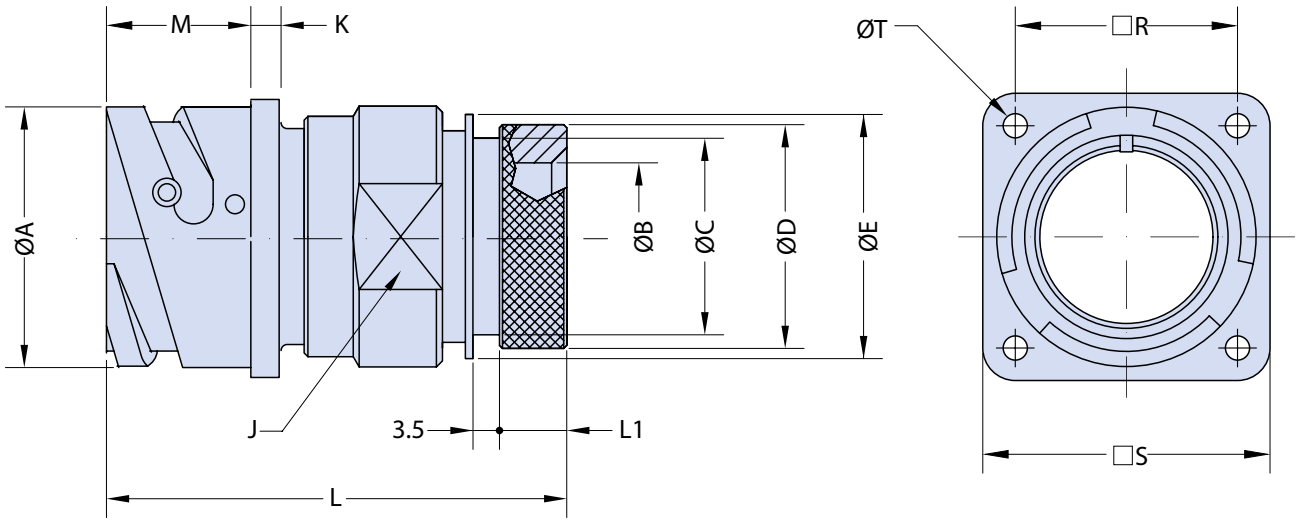
TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

ITS 3100 GR and ITS 4100 GR
Front Panel Mount Square Flange Receptacle Assembly
with Rotating Coupling Nut Backshell for Heat Shrink Tubing

XX	ITS	31	00	GR	20-27	P	Y	XXX

- **XX** — Elastomer Option (See Table III)
- **ITS** — Reverse Bayonet Coupling
  - *ITS* - Alumium Shell with Stainless Steel Studs
  - *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs
  - For further details, see diagram on page A-38
- **31** — Contact Type
  - *31* - Solder
  - *41* - Crimp
- **00** — *00* - Front Wall Mount
- **GR** — Connector/Backshell Class
  - *GR* - Environmental; Supplied with Backshell for Heat-Shrink Tubing and Rotating Clamp Nut
- **20-27** — Shell Size and Insert Arrangement (See Section A)
- **P** — Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)
- **Y** — Contact Gender
  - *P* - Pin
  - *S* - Socket
- **XXX** — Mod Code Option (See Table II)



Application Notes

1. Front mount square flange receptacle assembly with backshell for heat shrink tubing. Rotating coupling nut supplied. Through mounting holes.
2. Connector/Backshell Class "GR" (environmental)—Wire sealing grommet supplied.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

ITS 3100 GR and ITS 4100 GR
Front Panel Mount Square Flange Receptacle Assembly
with Rotating Coupling Nut Backshell for Heat Shrink Tubing

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	ØB Min.	ØC ±0.1	ØD ±0.2	ØE ±0.1	J Key	K ±0.2	L Max.	L1 ±0.1	M +0.4 0	R ±0.2	S ±0.2	ØT +0.1 0
10 SL	18.2	8.6	13.0	15.5	17.0	20	2.8	55.0	8.2	14.2	18.25	25.4	3.2
14 S	24.5	10.7	16.5	19.1	20.1	23	3.2	55.0	8.2	14.2	23.00	30.4	3.2
16 S	27.2	14.0	24.9	23.9	23.5	26	3.2	55.0	8.0	14.2	24.60	32.5	3.2
16	27.2	14.0	24.9	23.9	23.5	26	3.2	61.0	8.0	19.0	24.60	32.5	3.2
18	30.7	17.5	21.7	23.9	26.5	28	4.0	64.5	8.0	19.0	27.00	35.0	3.2
20	34.0	18.8	26.2	29.6	30.2	32	4.0	64.5	8.9	19.0	29.40	38.0	3.2
22	37.3	21.0	26.2	29.6	33.6	36	4.0	64.5	9.2	19.0	31.75	41.0	3.2
24	40.9	25.4	34.0	37.8	36.1	39	4.0	68.5	9.5	20.6	34.90	44.5	3.7
28	46.7	28.4	34.3	37.8	41.4	46	4.0	68.5	9.2	20.6	39.70	50.9	3.7
32	53.4	34.0	43.6	47.8	48.6	52	4.0	70.0	11.7	22.2	44.50	57.0	4.3
36	59.6	40.5	43.6	47.8	54.0	58	4.0	70.0	11.5	22.2	49.20	63.5	4.3
40	65.5	49.0	52.6	57.8	61.0	65	4.0	70.0	11.5	22.2	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

(*) For further options, please contact the factory.

(**) Crimp Contacts Only

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

ITS 3100 RS and ITS 4100 RS
Front Panel Mount Square Flange Receptacle
with Lipped Backshell

Elastomer Option (See Table III)	Contact Type	Connector/Backshell Class	Contact Gender	Mod Code Option (See Table II)
XX	ITS	31	00	RS	20-27	P	Y	XXX

Elastomer Option (See Table III)

Contact Type
- *31* - Solder
- *41* - Crimp

Connector/Backshell Class
- *RS* - Environmental; Supplied with Grommet and Lipped Backshell

Contact Gender
- *P* - Pin
- *S* - Socket

Mod Code Option (See Table II)

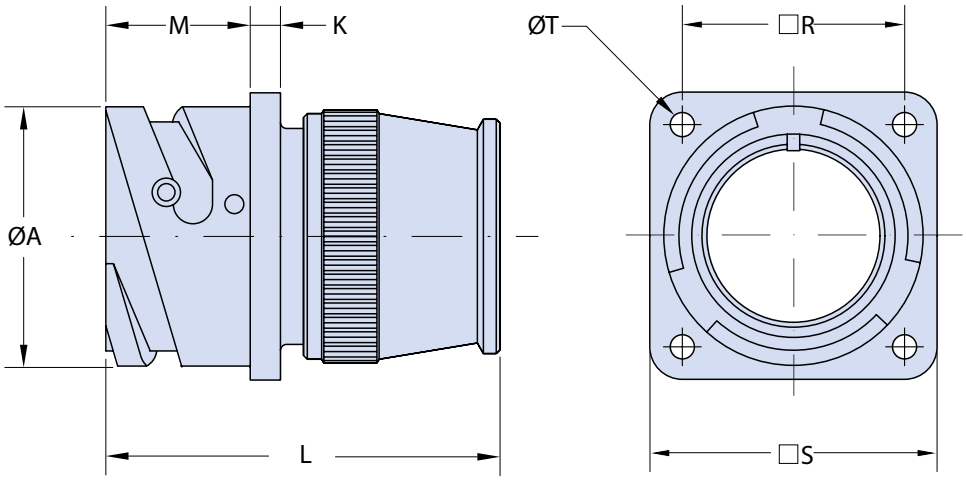
ITS
- *ITS* - Alumium Shell with Stainless Steel Studs
- *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs

For further details, see diagram on page A-38

00 - Front Wall Mount

Shell Size and Insert Arrangement (See Section A)

Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)



Application Notes

1. Front mount square flange receptacle with a wire sealing grommet and backshell for use with individual wire assemblies. Through mounting holes.
2. Connector/Backshell Class "RS" (environmental)—Wire sealing grommet supplied.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	K ±0.2	L Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	18.2	2.8	44.0	14.2	18.25	25.4	3.2
14 S	24.5	3.2	48.5	14.2	23.00	30.4	3.2
16 S	27.2	3.2	48.5	14.2	24.60	32.5	3.2
16	27.2	3.2	56.5	19.0	24.60	32.5	3.2
18	30.7	4.0	57.0	19.0	27.00	35.0	3.2
20	34.0	4.0	57.0	19.0	29.40	38.0	3.2
22	37.3	4.0	58.0	19.0	31.75	41.0	3.2
24	40.9	4.0	58.5	20.6	34.90	44.5	3.7
28	46.7	4.0	58.5	20.6	39.70	50.9	3.7
32	53.4	4.0	60.5	22.2	44.50	57.0	4.3
36	59.6	4.0	60.5	22.2	49.20	63.5	4.3
40	65.5	4.0	60.5	22.2	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

CONTACT OPTIONS		
Sym	**Description**	
B0	Connector without Contacts**	
B1	Connector with Gold Plated Contacts	
Omit for standard version (Silver plated)		
STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

(*) For further options, please contact the factory.

(**) Crimp Contacts Only

TABLE III

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

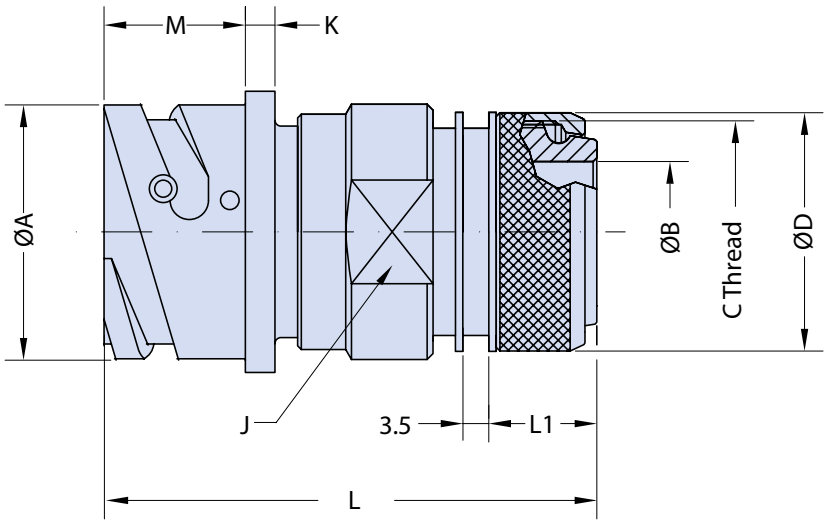
B

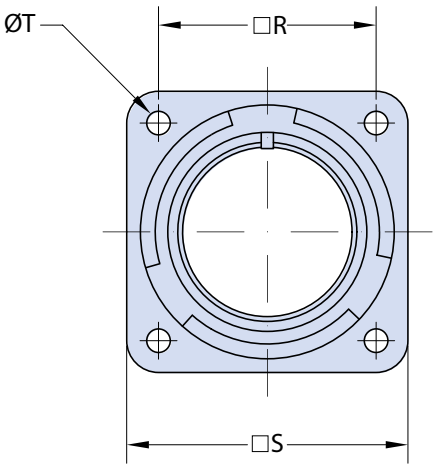
ITS 3100 SP and ITS 4100 SP
Front Panel Mount Square Flange Receptacle Assembly
with Environmental Backshell for EMI/RFI Shield Termination

Elastomer Option (See Table III)	Contact Type	Connector/Backshell Class	Contact Gender	Mod Code Option (See Table II)
	31 - Solder *41* - Crimp	*SP* - Environmental; Supplied with Grommet and EMI/RFI Backshell	*P* - Pin *S* - Socket	

XX	ITS	31	00	SP	20-27	P	Y	XXX

	Reverse Bayonet Coupling *ITS* - Alumium Shell with Stainless Steel Studs *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38		*00* - Front Wall Mount		Shell Size and Insert Arrangement (See Section A)		Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)	





Application Notes

1. Front panel mount square flange receptacle with EMI/RFI shield termination backshell. Backshell features rotating coupling nut and a "braid-trap" for termination of braided shielding. Heat-shrink tubing may also beattached for additional environmental and mechanical protection. Through mounting holes.
2. Connector/Backshell Class "SP" (environmental)—Wire sealing grommet supplied.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

TABLE I: DIMENSIONS

Shell Size	ØA +0.2 -0.1	ØB Min.	C Thread	ØD ±0.2	J Key	K ±0.2	L Max.	L1 Max.	M +0.4 -0	R ±0.2	S ±0.2	ØT +0.1 -0
10 SL	18.2	8.6	M16X1	18.5	20	2.8	57.0	14.0	14.2	18.25	25.4	3.2
14 S	24.5	10.7	M20X1	22.3	23	3.2	57.0	14.0	14.2	23.00	30.4	3.2
16 S	27.2	13.9	M23X1	25.3	26	3.2	58.5	15.6	14.2	24.60	32.5	3.2
16	27.2	13.9	M23X1	25.3	26	3.2	67.5	15.6	19.0	24.60	32.5	3.2
18	30.7	15.0	M26X1	28.0	28	4.0	69.0	14.6	19.0	27.00	35.0	3.2
20	34.0	18.8	M30X1	32.3	32	4.0	69.0	14.6	19.0	29.40	38.0	3.2
22	37.3	22.0	M32X1	34.3	36	4.0	69.0	14.6	19.0	31.75	41.0	3.2
24	40.9	25.0	M36X1	38.3	39	4.0	70.5	14.6	20.6	34.90	44.5	3.7
28	46.7	28.4	M39X1	41.2	46	4.0	70.5	14.6	20.6	39.70	50.9	3.7
32	53.4	34.0	M45X1	48.3	52	4.0	72.0	14.6	22.2	44.50	57.0	4.3
36	59.6	40.5	M52X1	55.0	58	4.0	72.0	15.0	22.2	49.20	63.5	4.3
40	65.5	49.0	M59X1	62.0	65	4.0	72.0	15.5	22.2	55.55	69.9	4.3

TABLE II: MODIFICATION CODES

CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

(*) For further options, please contact the factory.

(**) Crimp Contacts Only

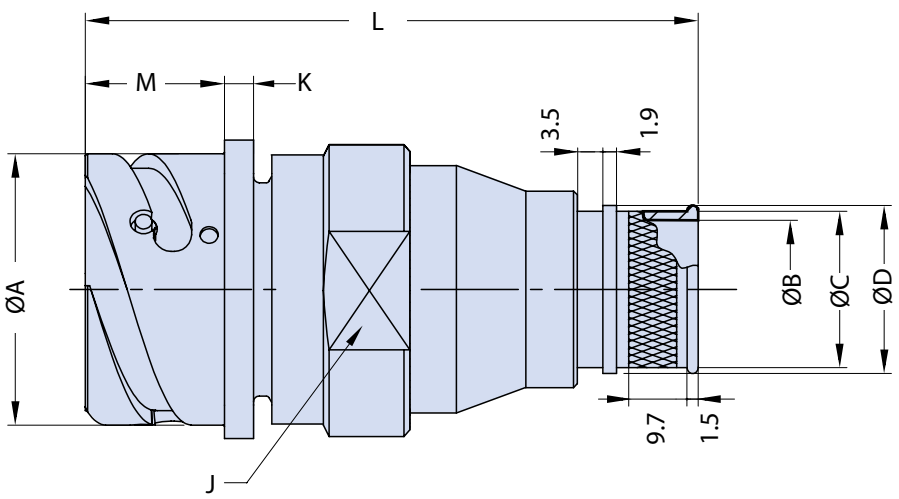
TABLE III

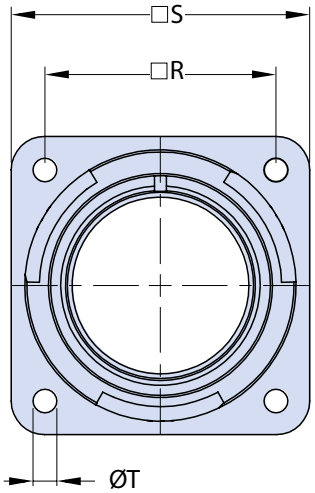
ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

ITS 3100 A ZL and ITS 3100 R ZL
ITS 4100 A ZL and ITS 4100 R ZL
Front Panel Mount Square Flange Receptacle Assembly
with BAND-IT Backshell

Elastomer Option (See Table V)	Contact Type	Connector/Backshell Class	Alternate Insert Rotation (W, X, Y, Z) Omit for Normal (See Section A)	BAND-IT Backshell
	31 - Solder *41* - Crimp	*A* - Non-Environmental; Supplied with Backshell Only *R* - Environmental; Supplied with Backshell and Grommet		*ZLF* - Supplied with Metallic Band

XX	ITS	31	00	A	20-27	P	Y	XX	ZL	XX	XXX
	Reverse Bayonet Coupling *ITS* - Alumium Shell with Stainless Steel Studs *ITB* - Marine Bronze or Stainless Steel Shell without Stainless Steel Studs For further details, see diagram on page A-38		*00* - Front Wall Mount		Shell Size and Insert Arrangement (See Section A)	Contact Gender *P* - Pin *S* - Socket	Contact Options (See Table III)		Entry Size (See Table II)		Finish Options (See Table IV)





Application Notes

1. Front panel mount square flange receptacle with rear-end backshell for attachment of BAND-IT. Through mounting holes.
2. Connector/Backshell Class "A" (non-environmental)—Not supplied with wire sealing grommet; Class "R" (environmental)—Supplied with grommet.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE IV finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

ITS 3100 A ZL and ITS 3100 R ZL
ITS 4100 A ZL and ITS 4100 R ZL
Front Panel Mount Square Flange Receptacle Assembly
with BAND-IT Backshell

TABLE I: DIMENSIONS

Size	L Max.	M +0.4 -0	A +0.2 -0.1	K ±0.2	J Key	R ±0.2	S ±0.2	ØT +0.1 -0	Entry Size [a]
10 SL	69.5	14.2	18.2	2.8	20	18.25	25.4	3.2	01÷06
14 S	70.0	14.2	24.5	3.2	23	23.00	30.4	3.2	03÷08
16 S	70.0	14.2	27.2	3.2	26	24.60	32.5	3.2	05÷10
16	79.0	19.0	27.2	3.2	26	24.60	32.5	3.2	05÷10
18	83.5	19.0	30.7	4.0	28	27.00	35.0	3.2	07÷12
20	94.0	19.0	34.0	4.0	32	29.40	38.0	3.2	09÷14
22	99.0	19.0	37.3	4.0	36	31.75	41.0	3.2	11÷16
24	101.0	20.6	40.9	4.0	39	34.90	44.5	3.7	12÷17
28	106.0	20.6	46.7	4.0	46	39.70	50.9	3.7	13÷19
32	112.5	22.2	53.4	4.0	52	44.50	57.0	4.3	17÷22
36	112.5	22.2	59.6	4.0	58	49.20	63.5	4.3	19÷23
40	117.5	22.2	65.5	4.0	65	55.55	69.9	4.3	21÷24

(a) For further entry size, please contact the factory.

TABLE II: ENTRY SIZE TABLE

Entry Size	ØB	ØC	ØD
01	3.2	6.4	7.9
02	4.8	7.9	9.5
03	6.4	9.5	11.1
04	7.9	11.1	12.7
05	9.5	12.7	14.3
06	11.1	14.3	15.8
07	12.7	15.9	17.4
08	14.3	17.5	19.1
09	15.9	19.1	20.6
10	17.5	20.6	22.2
11	19.1	22.2	23.8
12	20.6	23.8	25.4
13	22.2	25.4	27.0
14	23.8	27.0	28.5
15	25.4	28.6	30.1
16	27.0	30.2	31.8
17	28.6	31.8	33.3
18	31.8	34.9	36.5
19	34.9	38.1	39.7
20	38.1	41.3	42.8
21	41.3	44.5	46.0
22	44.5	47.6	49.2
23	47.6	50.8	52.4
24	50.8	54.0	55.5

TABLE III: MODIFICATION CODES

CONTACT OPTIONS	
Sym	**Description**
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

TABLE IV: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	**Description**	**RoHS**
	Omit for Aluminum/ Cadmium Olive Drab	
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

TABLE V

ELASTOMER OPTIONS	
Sym	**Description**
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

(*) For further options, please contact the factory.
(**) Crimp Contacts Only