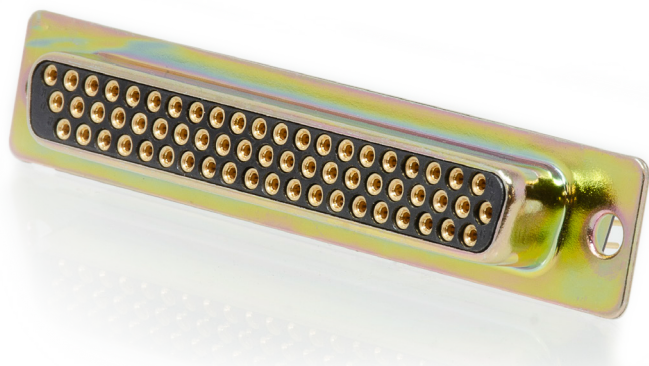




Robust, High-Density (D*MM) D-Subminiature Connectors



Features & Benefits

- High performance dielectric and machined contacts
- Design and testing per MIL-DTL-24308 / 23 & /24
- Straight or 90 degree, right-angle PCB versions
- Broad offering of PCB mounting and coupling options
- Steel, Stainless Steel, Brass and Aluminum shell/ Hardware options

Building on its reputation for high-reliability, I/O connectors, ITT Cannon expands it's D-Subminiature portfolio to include straight and right angle, high-density PCB connectors design per M24308 slash sheets 23 and 24.

Utilizing state of the art design, materials and manufacturing processes, the D*MM series offers a cost effective interconnect solution for use throughout board-level, harsh environment applications including Aerospace, Shipboard, Radar, Military, Industrial, and Transportation.

Specifications

Wire Gauge	18 - 30 AWG
Mating Cycles	500
RoHS / REACH	Yes - Stainless Steel, Yellow Chromate over Zinc
Operating Voltage	300 VAC
Current Rating	5 A (MAX)
Operating Temp	-55°C to 125°C

Ordering Guide

	1- Series	2-Shell Size	3-Type	4- Contact QTY	5- Gender	6- Termination	7- Shell Plating
PN Example	D	E	MM	15	P	M	

1 - Series	
D	D-Sub
2 - Shell Size*	
E	15 Contacts
A	26 Contacts
B	44 Contacts
C	62 Contacts
D	78 Contacts
F	104 Contacts**
3 -Type	
MM	Double Density

4 -Contact QTY	
15	15 contacts - shell size E
26	26 contacts - shell size A
44	44 contacts - shell size B
62	62 contacts - shell size C
78	78 contacts - shell size D
104	104 contacts - shell size F**
5 - Contact Gender	
P	Pin
S	Socket

6 - Contact Termination (see below notes)	
M	.158" Straight contact w/ spacer
Z	.183" Straight contact
Q	.300" Straight contact w/ spacer
D	.127" 90° Contact w/PPS Bracket (consult factory for shell size F / 104 contacts)

7 - Shell Plating	
Blank	Yellow Chromate Over Zinc (RoHS)
A101	Yellow Chromate Over Cadmium
F225	Stainless Steel (RoHS)

Ordering Notes:

* "Shell Size" must align with respected "Contact QTY".

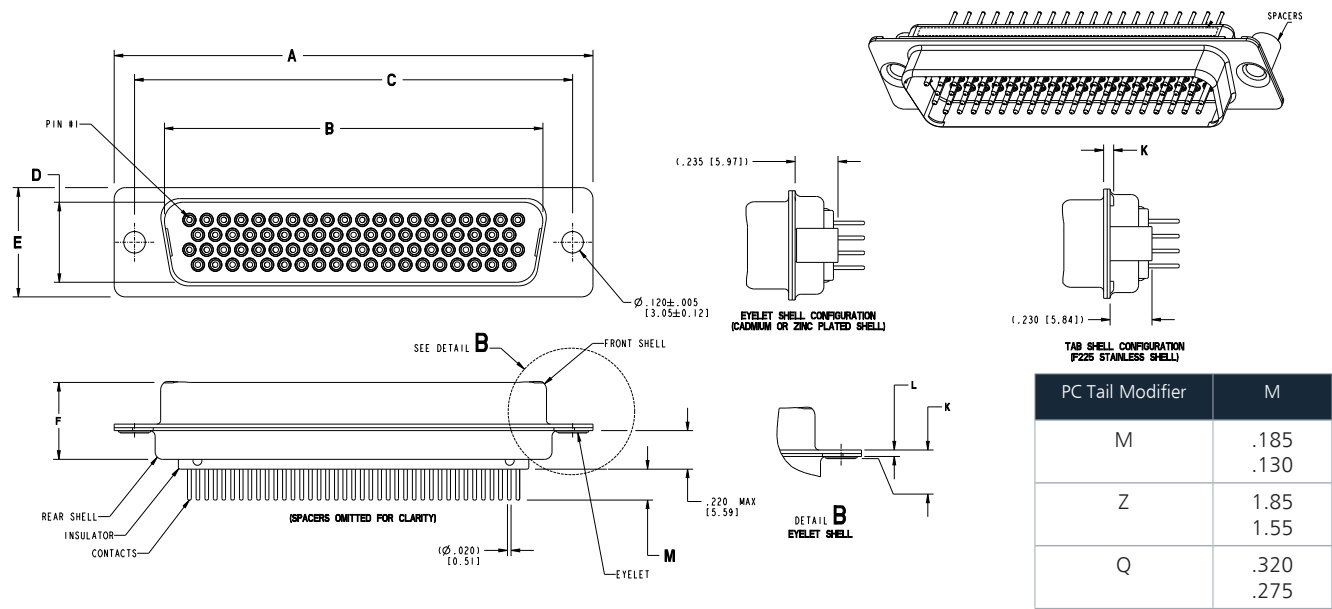
** Shell Size F (104 Contacts) available as straight termination - DFMM. Consult factory for right angle, 90° layout.

Contact Termination Lengths and board thickness. Reference detailed drawings for additional information.

- M = .158" LNG X .020" DIA (.094" APPLICABLE BOARD THICKNESS)
- Z = .183" LNG X .020" DIA (.125" APPLICABLE BOARD THICKNESS)
- Q = .300" LNG X .020" DIA (.125" APPLICABLE BOARD THICKNESS)
- D = .127" LNG X .020" DIA (.062" APPLICABLE BOARD THICKNESS)

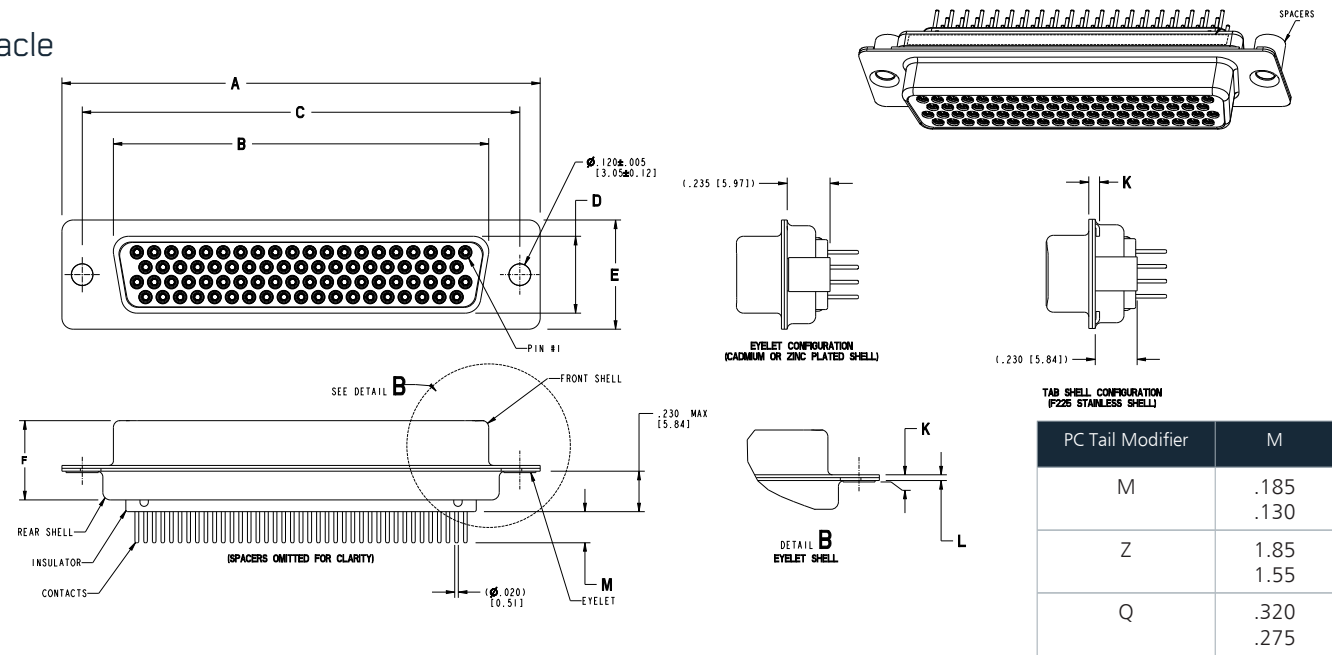
High-Density D*MM Straight PCB

Plugs



Base Part Number	Shell Size	Contact QTY	A ± .015	B	C	D	E ± .015	F ± .010	K	L ± .010
DEMM	E	15	1.213	0.666	0.984	0.329	0.494	0.422	0.060	0.030
DAMM	A	26	1.541	0.994	1.312			0.426	0.070	0.039
DBMM	B	44	2.088	1.534	1.852					
DCMM	C	62	2.729	2.182	2.500					
DDMM	D	78	2.635	2.079	2.406					
DFMM	F	104	2.729	2.212	2.500	0.441	0.605			
						0.503	0.668			

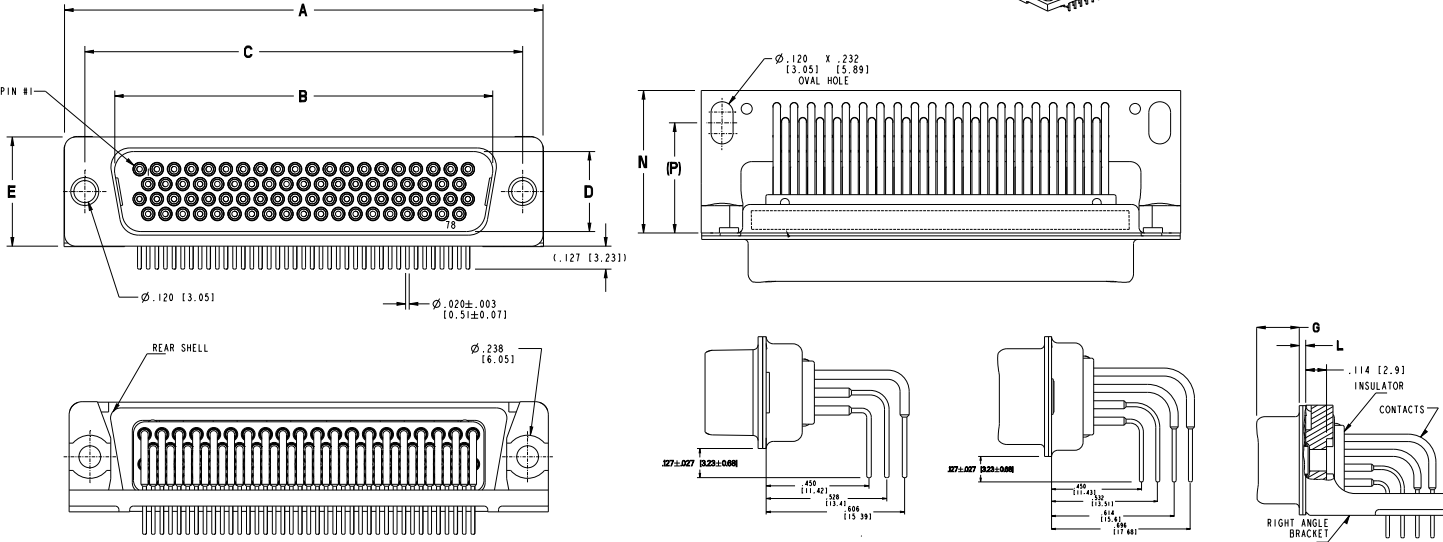
Receptacle



Base Part Number	Shell Size	Contact QTY	A ± .015	B	C	D	E ± .015	F ± .010	K	L ± .010
DEMM	E	15	1.213	0.643	0.984	0.311	0.494	0.429	0.060	0.030
DAMM	A	26	1.541	0.971	1.312					0.039
DBMM	B	44	2.088	1.511	1.852					
DCMM	C	62	2.729	2.159	2.500					
DDMM	D	78	2.635	2.064	2.406					
DFMM	F	104	2.729	2.189	2.500	0.485	0.668			

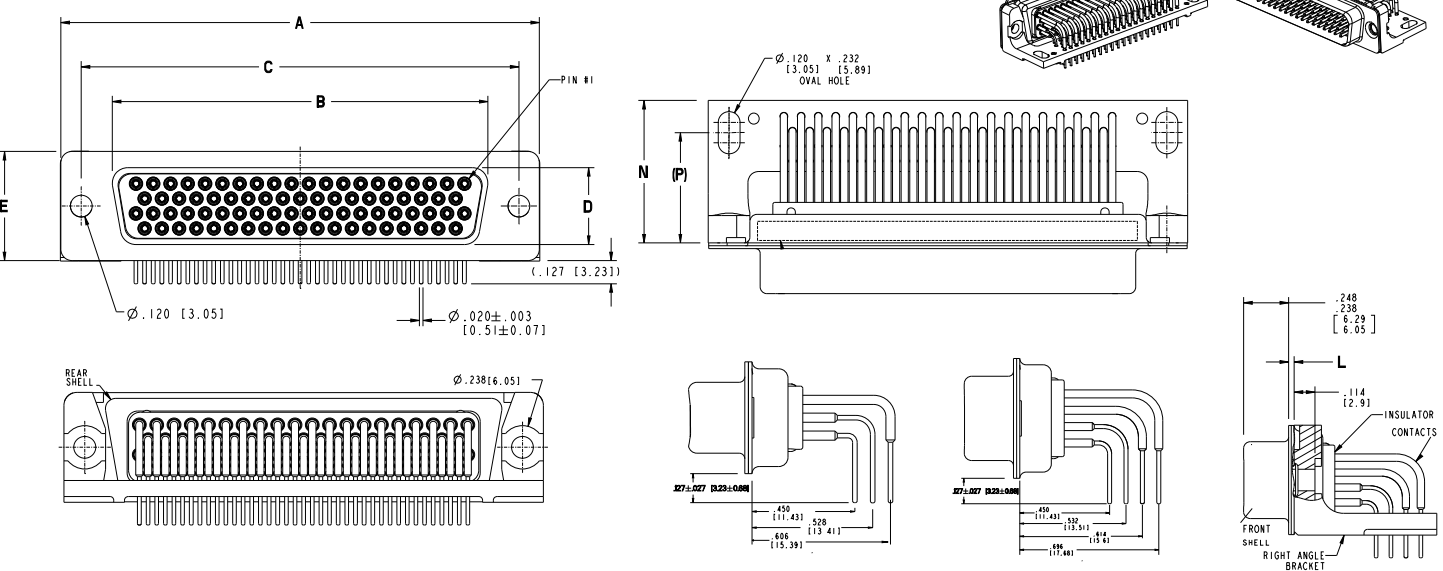
High-Density D*MM 90°, Right Angle PCB

Plugs



Base Part Number	Shell Size	Contact QTY	A ± .015	B	C	D	E ± .015	G	L ± .010	P ± .015	N ± .015
DEMM	E	15	1.213	0.666	0.984	0.329	0.494	.238 .229	.030	.544	.740
DAMM	A	26	1.541	0.994	1.312						
DBMM	B	44	2.088	1.534	1.852			.236 .224	.039		
DCMM	C	62	2.729	2.182	2.500				.606	.790	
DDMM	D	78	2.635	2.079	2.406	0.441	0.605				

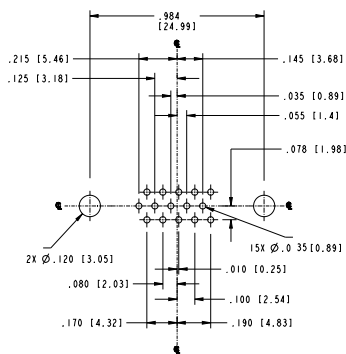
Receptacle



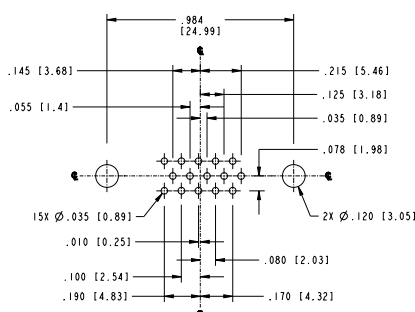
Base Part Number	Shell Size	Contact QTY	A ± .015	B	C	D	E ± .015	G	L ± .010	P ± .015	N ± .015
DEMM	E	15	1.213	0.643	0.984	0.329	0.494	.238 .229	.030	.544	.740
DAMM	A	26	1.541	0.971	1.312						
DBMM	B	44	2.088	1.511	1.852			.236 .224	.039		
DCMM	C	62	2.729	2.159	2.500						
DDMM	D	78	2.635	2.064	2.406	0.441	0.605				

High-Density D*MM PCB Layouts

Straight PCB - Shell Size E, Contact Quantity 15

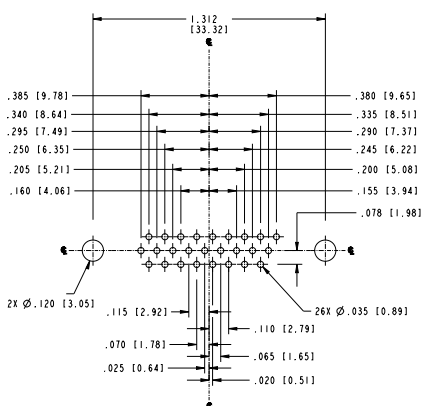


DEMM15P (Plug)

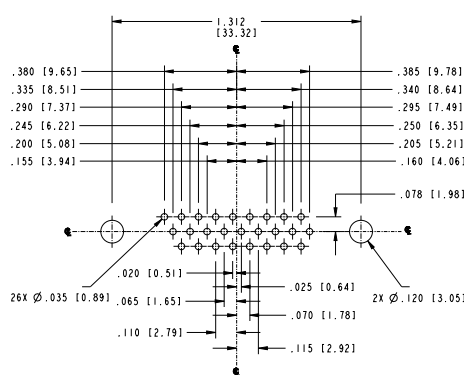


DEMM15S (Receptacle)

Straight PCB - Shell Size A, Contact Quantity 26

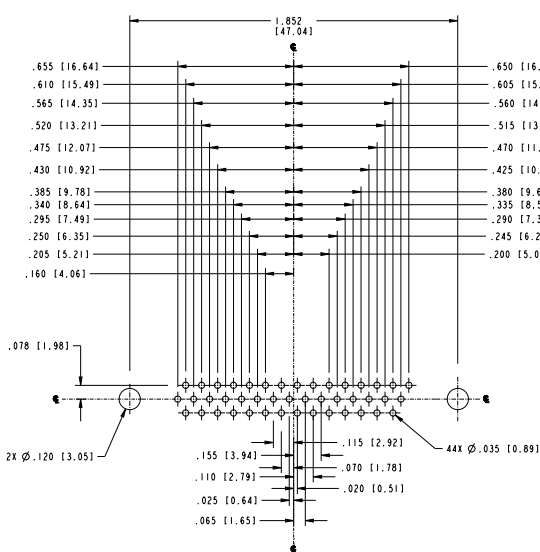


DAMM26P (Plug)

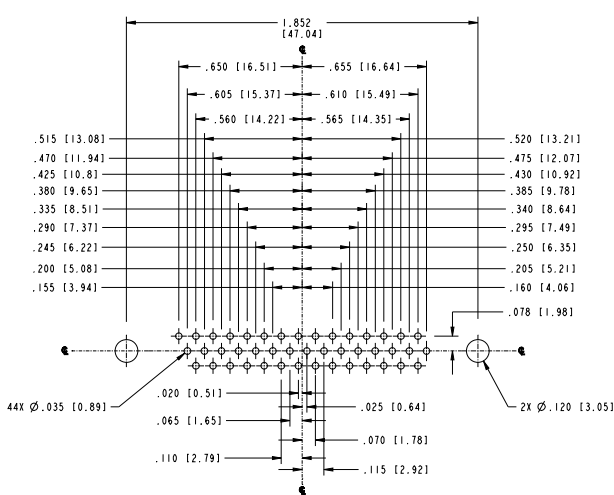


DAMM26S (Receptacle)

Straight PCB - Shell Size B, Contact Quantity 44



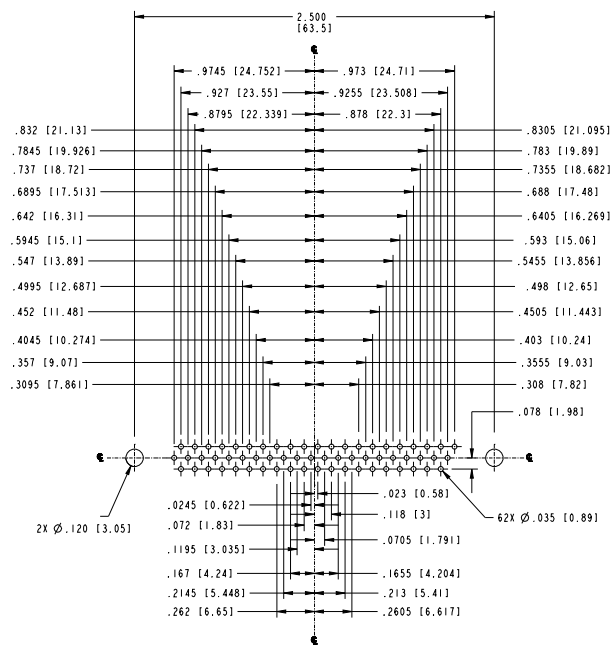
DBMM44P (Plug)



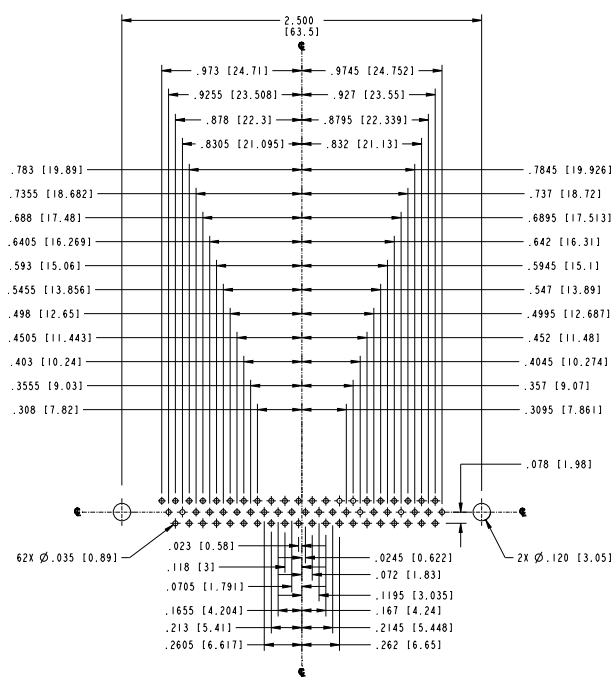
DBMM44S (Receptacle)

High-Density D*MM PCB Layouts

Straight PCB - Shell Size C, Contact Quantity 62

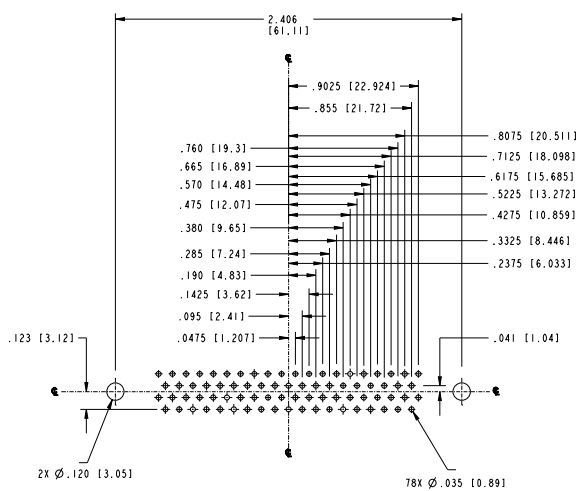


DCMM62P (Plug)

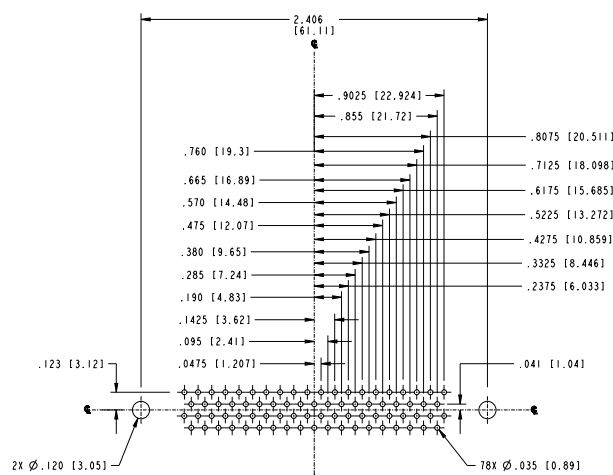


DCMM62S (Receptacle)

Straight PCB - Shell Size D, Contact Quantity 72



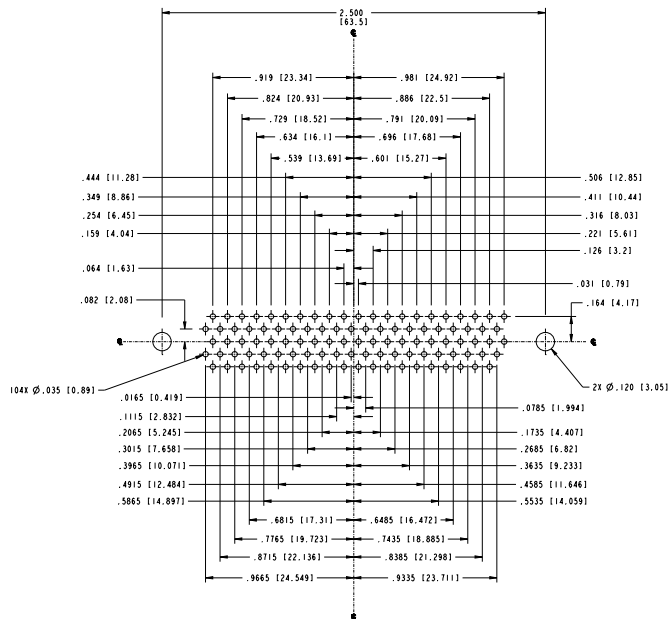
DDMM78P 9 (Plug)



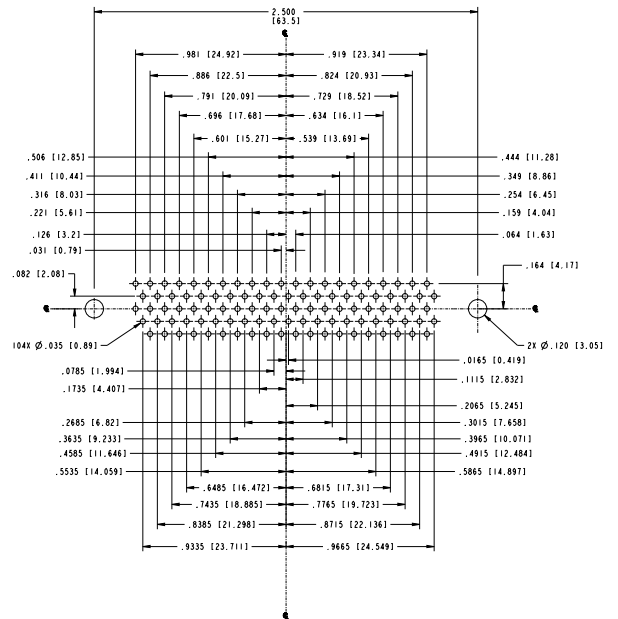
DDMM78S (Receptacle)

High-Density D*MM PCB Layouts

Straight PCB - Shell Size F, Contact Quantity 104

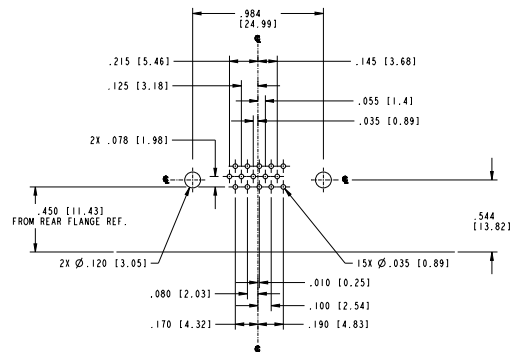


DFMM104P (Plug)

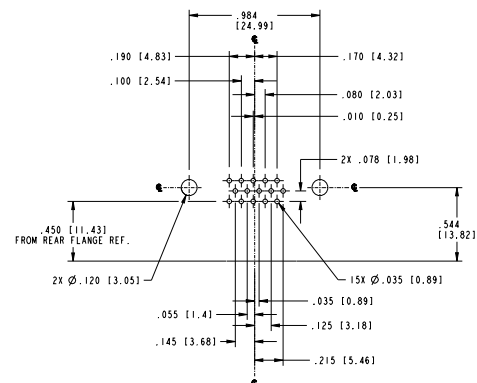


DFMM104S (Receptacle)

90 Degree, Right Angle PCB - Shell Size E, Contact Quantity 15

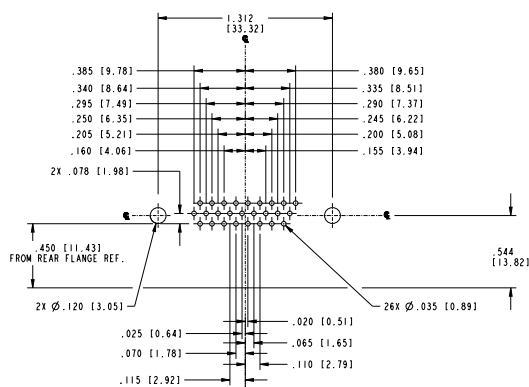


DEMM15P (Plug)

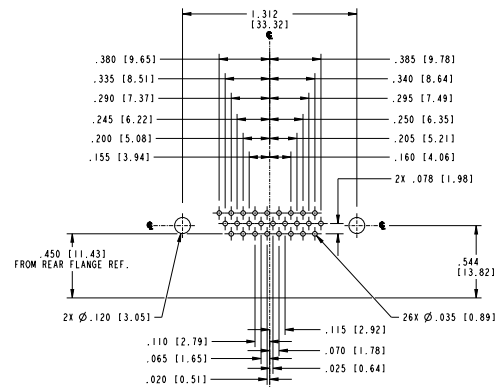


DEMM15S (Receptacle)

90 Degree, Right Angle PCB - Shell Size A, Contact Quantity 26

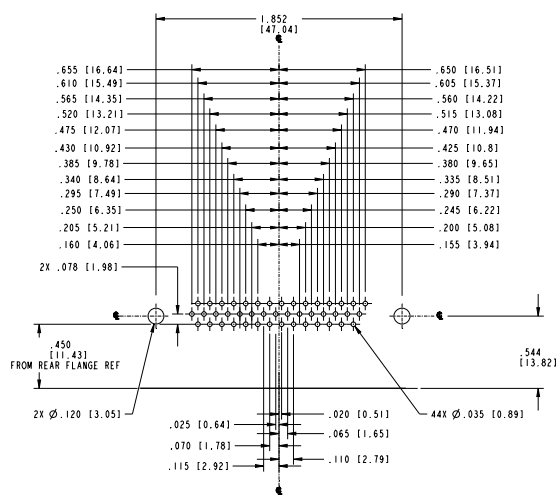


DAMM26P (Plug)

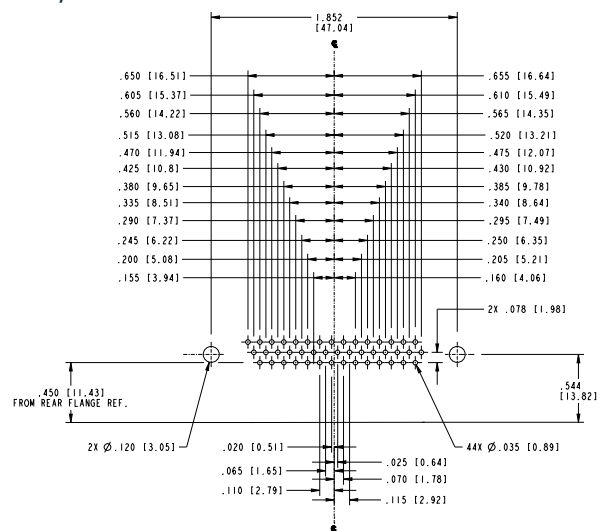


DAMM26S (Receptacle)

90 Degree, Right Angle PCB - Shell Size B, Contact Quantity 44

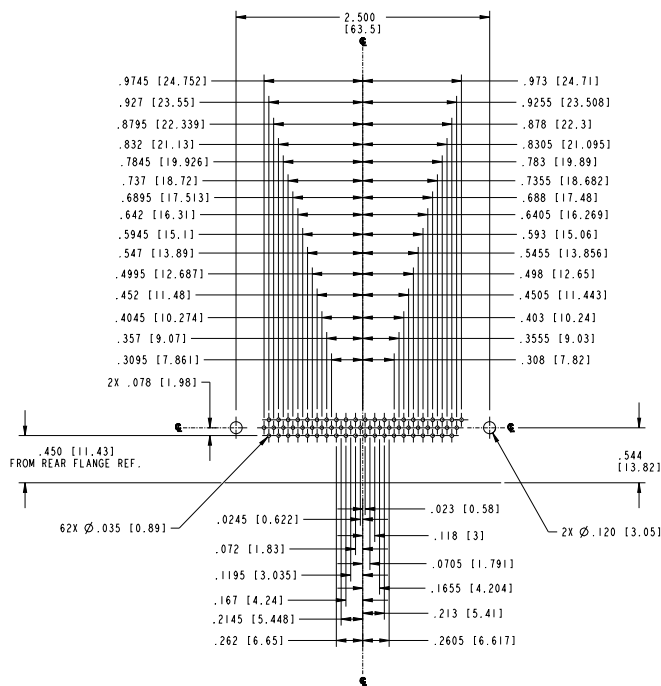


DBMM44P (Plug)

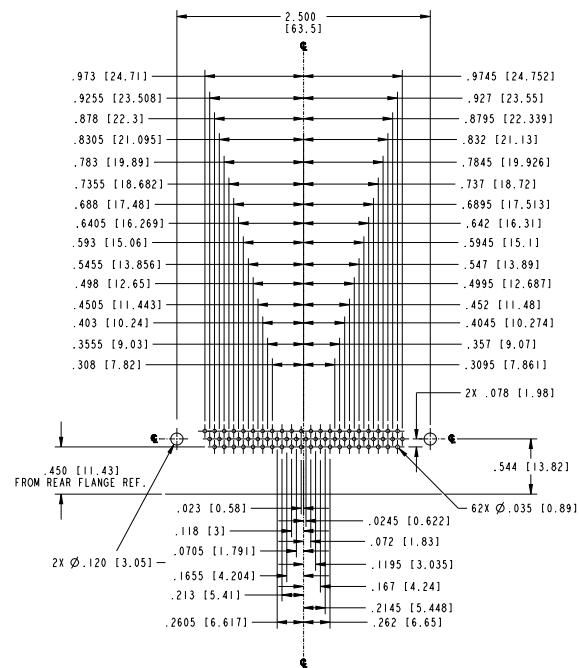


DBMM44S (Receptacle)

90 Degree, Right Angle PCB - Shell Size C, Contact Quantity 62

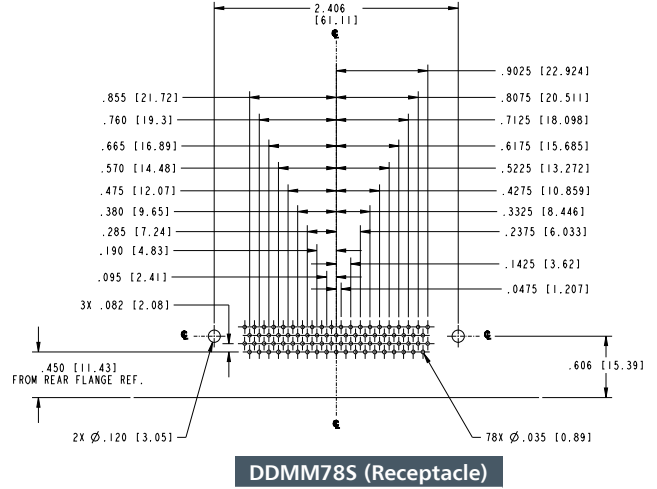
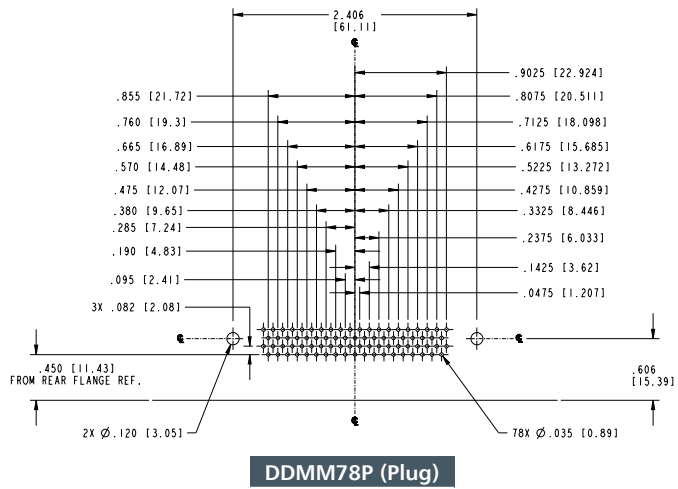


DCMM62P (Plug)



DAMM26S (Receptacle)

90 Degree, Right Angle PCB - Shell Size D, Contact Quantity 78



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