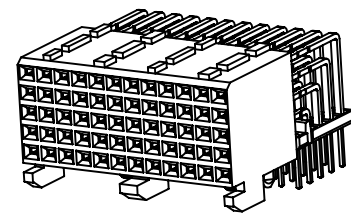
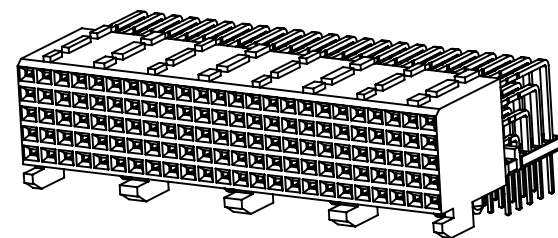


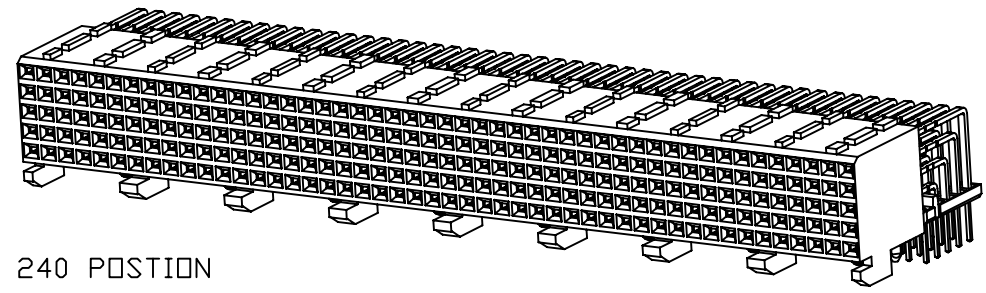
30 POSTION



60 POSTION



120 POSTION



240 POSTION

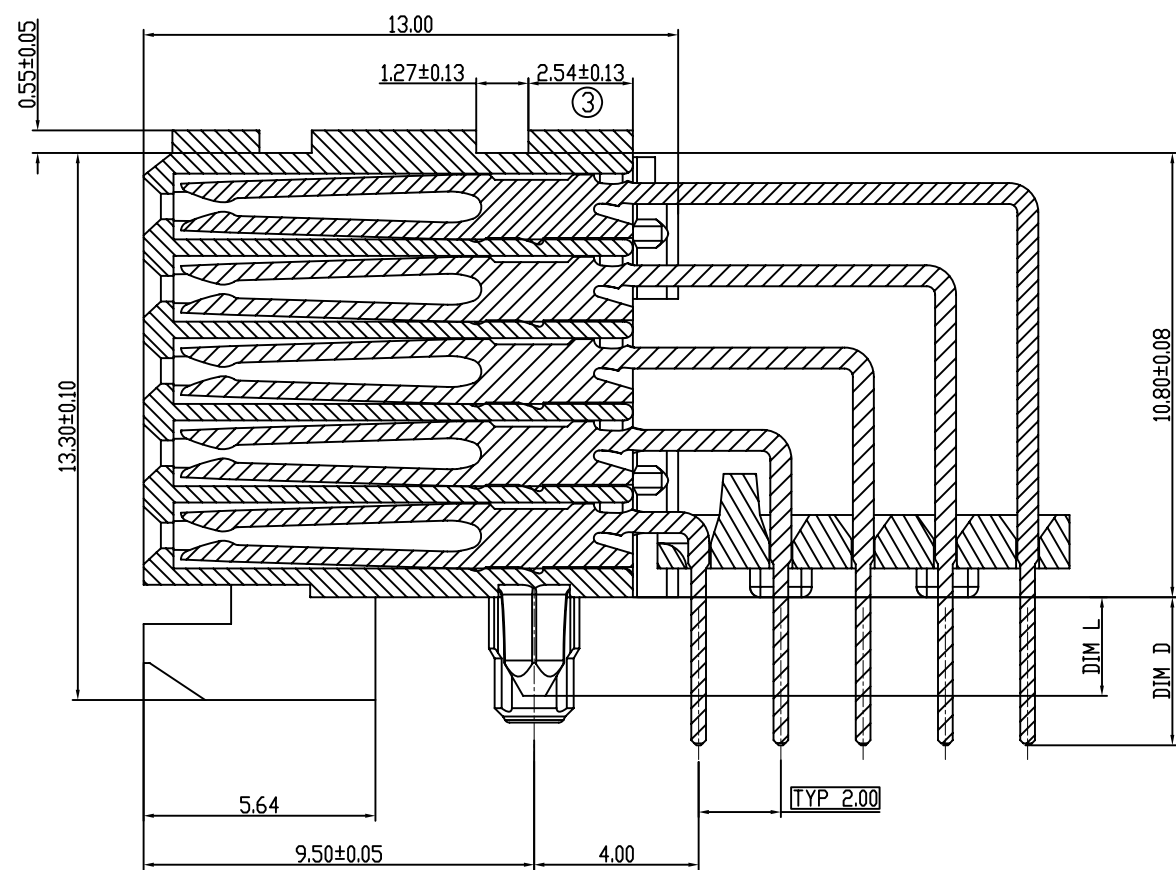
NOTE: UNLESS OTHERWISE SPECIFIED;

1. CONNECTOR MATERIALS:
 HOUSING: GLASS FILLED THERMOPLASTIC, UL94-V0 COMPLIANT
 KEEPER: GLASS FILLED THERMOPLASTIC, UL94-V0 COMPLIANT
 TERMIANL: PHOSPHOR BRONZE ALLOY.
2. PACKED IN TUBES.
- ③ FEATURE MAY OR MAY NOT BE PRESENT DEPENDING UPON THE MOLD TOOL USED TO PRODUCE PRODUCT.
4. PRODUCT SPEIFICATION: GS-12-177.
5. APPLICATION SPECIFICATION: GS-20-015.
6. THE PRODUCTS WHERE THE PART NUMBER ENDS IN 'LF' MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
7. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 206° C FOR 60 SECONDS IN CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
8. LOCATION PEGS ARE ONLY EXISTED IN ONE MODULE.



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mat'l code NOTE 1 & 2				tolerance unless otherwise specified		CUSTOMER COPY	www.fciconnect.com			
rev	ecn no.	dr	date	linear	.0 ± .50	projection 	title T SERIES R/A RECEPTACLE ASSY,5 RIW,STB			
K	V05-0439	VS	07/14/05		.00 ± .15					
L	DG06-0378	KL	09/05/06		.000± .10					
M	DG06-0434	Cenh	10/23/06	angles	0° ± 3°	unit MM scale 4:1	product family USB size dwg no. A3 SE96847			
N	DG06-0534	Cenh	14/12/06	dr	V.SEBASTIAN	7/14'05				
P	DG08-0173	TER	02/07/08	enr	J.VOLSTRDF	7/14'05				
R	N10-0382	Cenh	11/12/10	chr	J.VOLSTRDF	7/14'05	code NT sheet 1 OF 3			
S	ELX-N-23029	Nick	01/13/16	appd	J.VOLSTRDF	7/14'05				
sheet revision				S						
index sheet				1-3						



SECTION A-A

TABLE 1

	PCB THICKNESS	DIM D	DIM L	RETENTION FEATURES
HM1 F 5_ T A R 000 H6	1.60	2.90±0.30	5.20	PRESS-FIT PEGS
HM1 F 5_ T B R 000 H6	2.40	3.60±0.30		
HM1 F 5_ T A P 000 H6	1.60	2.90±0.30	3.00	PRESS-FIT PEGS
HM1 F 5_ T B P 000 H6	2.40	3.60±0.30	3.00	

OBSOLETE

TABLE 2

CODE	CONTACT AREA	PERFORMANCE LEVEL
6	0.75um Au Min over 1.3um Ni Min or 0.68um PdNi Min + 0.08um Au Min over 1.3um Ni Min.	TELCORDIA CD

TABLE 2

CATALOG NUMBER DESCRIPTION

HM1 F 5 _ T _ P 000 H 6 LF

PRODUCT FAMILY
HM1 = METRAL HM1

PRODUCT TYPE
F = FEMALE SIGNAL, RIGHT ANGLE

NUMBER OF ROWS
5 = 5 ROW

BODY LENGTH
1 = 12.00 (30 POSITION SIGNAL)
2 = 24.00 (60 POSITION SIGNAL)
3 = 48.00 (120 POSITION SIGNAL)
4 = 96.00 (240 POSITION SIGNAL)

MATING CONTACT
T = TWISTED FEMALE

PCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.6mm PCB
B = SOLDER TAIL, FOR 2.4mm PCB

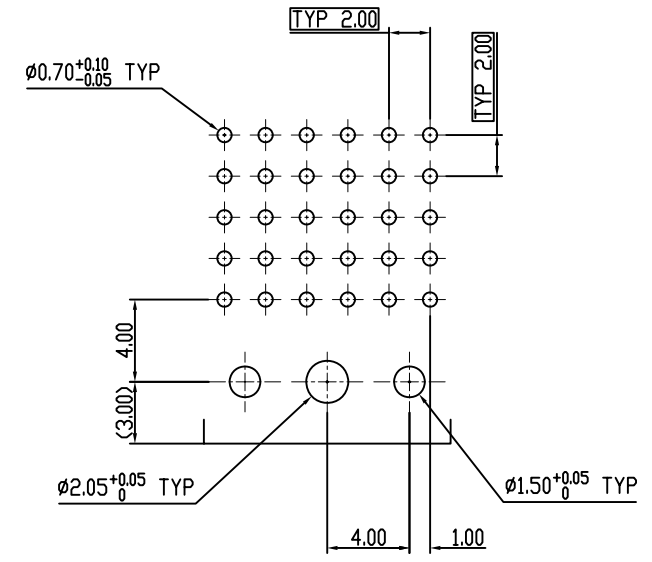
LF = LEAD FREE Sn PLATING ON TAILS

PERFORMANCE LEVEL
SEE TABLE 2
(6 = TELCORDIA CD)


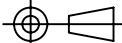
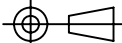
INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIAL

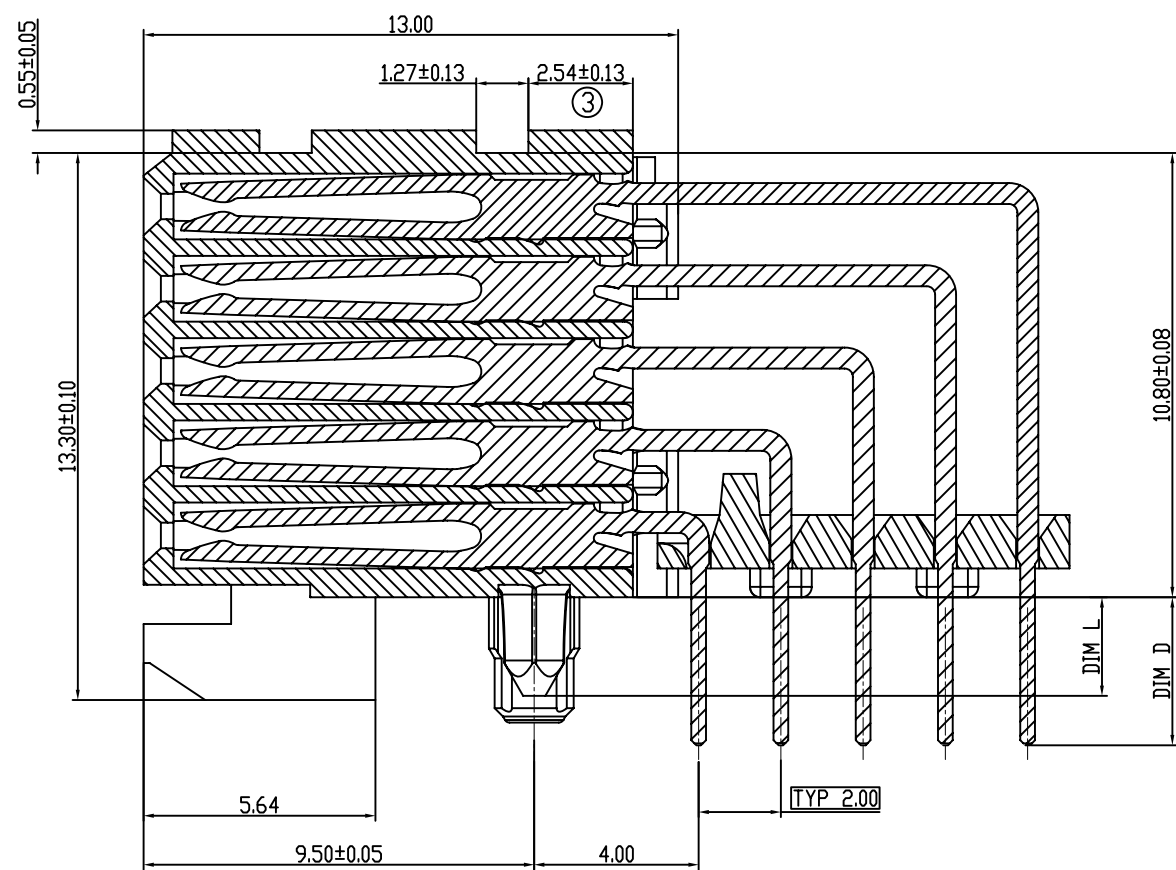
VARIATIONS
000 = STANDARD

BOARD ATTACHMENT
P = PRESS-FIT RETENTION PEG



RECOMMENDED PC BOARD LAYOUT,
COMPONENT SIDE
SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION

mat'l code NOTE 1 & 2				tolerance unless otherwise specified			CUSTOMER COPY		<div> www.fciconnect.com</div>						
rev	ecm no.	dr	date	linear	.0 ± .50		projection 	title T SERIES R/A RECEPTACLE ASSY,5 RIW,STB							
K	V05-0439	VS	07/14/05		.00 ± .15										
L	DG06-0378	KL	09/05/06		.000± .10										
M	DG06-0434	Cenh	10/23/06	angles	0° ± 3°			title T SERIES R/A RECEPTACLE ASSY,5 RIW,STB							
N	DG06-0534	Cenh	14/12/06	dr	V.SEBASTIAN	7/14'05						unit	product family USB		code
P	DG08-0173	TER	02/07/08	enr	J.VOLSTRDF	7/14'05						MM	size dwg no.		NT
R	N10-0382	Cenh	11/12/10	chr	J.VOLSTRDF	7/14'05	scale 4:1	A3		SE96847		sheet 2 OF 3			
S	DG06-0378	Nick	01/13/16	appd	J.VOLSTRDF	7/14'05									
sheet	revision	S													
index	sheet	1-3													



SECTION A-A

	PCB THICKNESS	PCB THICKNESS	RETENTION FEATURES
HM1 F 5_ T A P 400 H_LF	1.60	2.90 ±0.30	PRESS-FIT PEGS
HM1 F 5_ T B P 400 H_LF	2.40	3.60 ±0.30	

CATALOG NUMBER DESCRIPTION

PRODUCT FAMILY
HM1 = METRAL HM1

PRODUCT TYPE
F = FEMALE SIGNAL, RIGHT ANGLE

NUMBER OF ROWS
5 = 5 ROW

BODY LENGTH
1 = 12.00 (30 POSITION SIGNAL)
2 = 24.00 (60 POSITION SIGNAL)
3 = 48.00 (120 POSITION SIGNAL)
4 = 96.00 (240 POSITION SIGNAL)

MATING CONTACT
T = TWISTED FEMALE

PCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.6mm PCB
B = SOLDER TAIL, FOR 2.4mm PCB

LF = LEAD FREE Sn PLATING ON TAILS

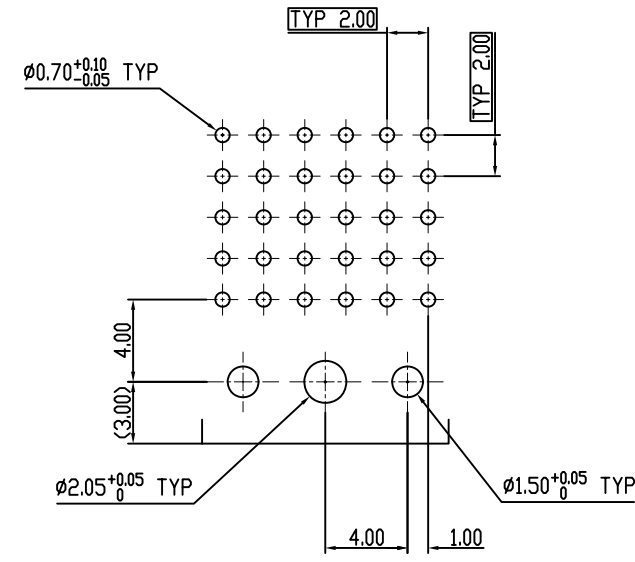
P = PACKAGED IN TRAYS
- = SEE PACKAGE SPEC GS-14-1228

PERFORMANCE LEVEL
6 = TELCORDIA CO

INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIAL

SPECIAL DATAS:
VISUAL INSPECTION: 100%
- MARKING FAILURES
- HOUSING MATERIAL FAILURES
- SPOILT HOUSING
- STAINED HOUSING
- BROKEN CONTACTS (Twisted or Loosen)

BOARD ATTACHMENT
P = PRESS-FIT RETENTION PEG



RECOMMENDED PC BOARD LAYOUT,
COMPONENT SIDE
SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION

mat'l code NOTE 1 & 2				tolerance unless otherwise specified		CUSTOMER COPY	FCI www.fciconnect.com	
rev	ecn no.	dr	date	linear	.0 ± .50	projection	title T SERIES R/A RECEPTACLE ASSY,5 RIW,STB	
K	V05-0439	VS	07/14/05		.00 ± .15			
L	DG06-0378	KL	09/05/06		.000± .10			
M	DG06-0434	Cenh	10/23/06	angles	0° ± 3°	unit MM	product family USB	
N	DG06-0534	Cenh	14/12/06	dr	V.SEBASTIAN 7/14/05		size dwg no.	code NT
P	DG08-0173	TER	02/07/08	enr	J.VOLSTRDF 7/14/05			
R	N10-0382	Cenh	11/12/10	chr	J.VOLSTRDF 7/14/05	scale 4:1	A3	SE96847
S	DG06-0378	Nick	01/13/16	appd	J.VOLSTRDF 7/14/05			
sheet	revision	S						
index	sheet	1-3						



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