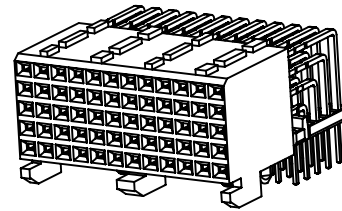
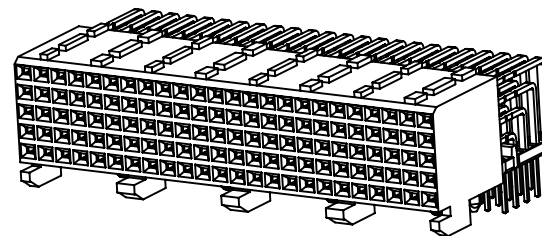


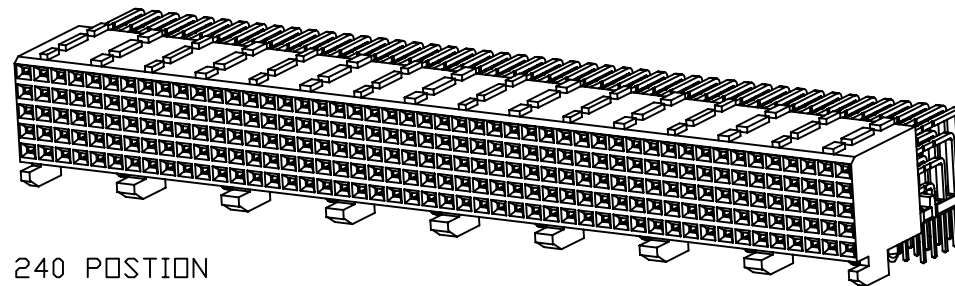
30 POSTION



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 SPECIFICATION: 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.

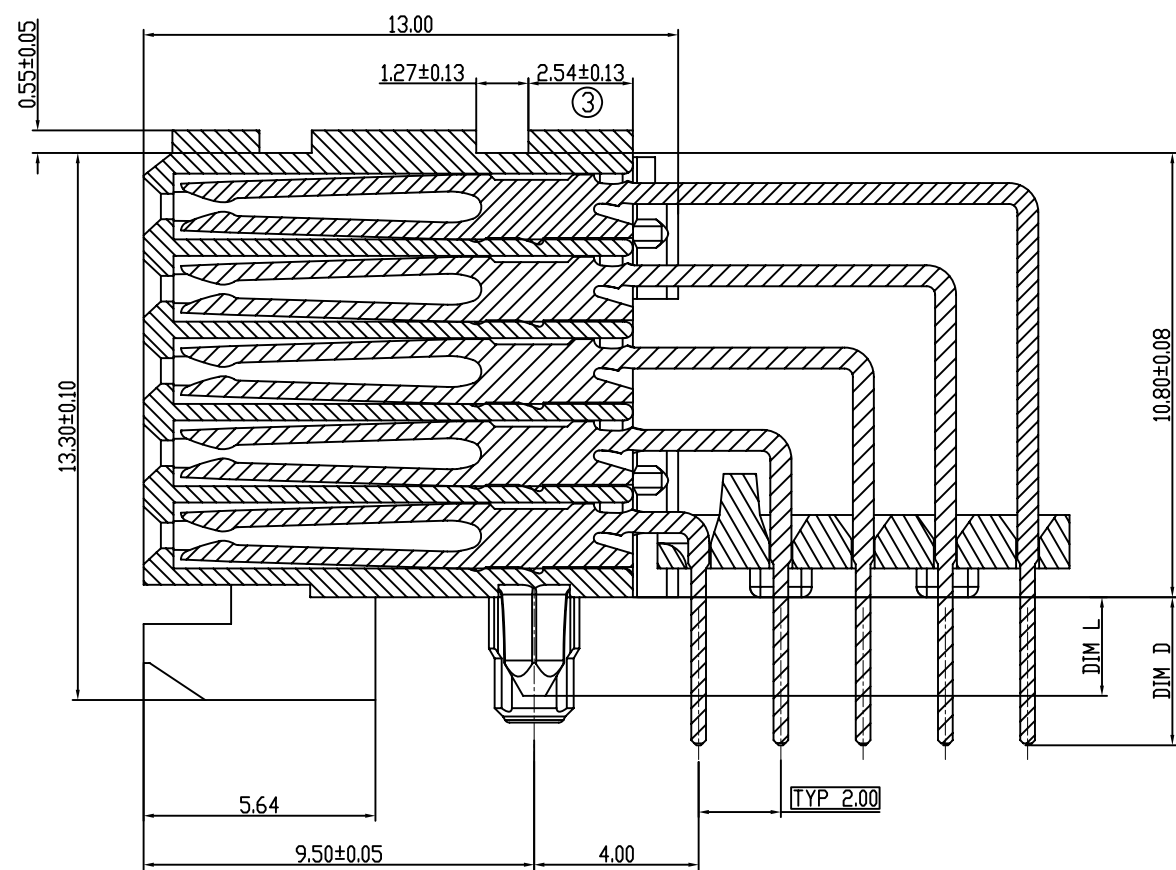
7. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 206° C FOR 60 SECONDS IN CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

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
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 code NT sheet 1 OF 3
N	DG06-0534	Cenh	14/12/06	dr	V.SEVERIAN 7/14'05	
P	DG08-0173	TER	02/07/08	enrg	J.VOLSTRDF 7/14'05	
R	N10-0382	Cenh	11/12/10	chr	J.VOLSTRDF 7/14'05	
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

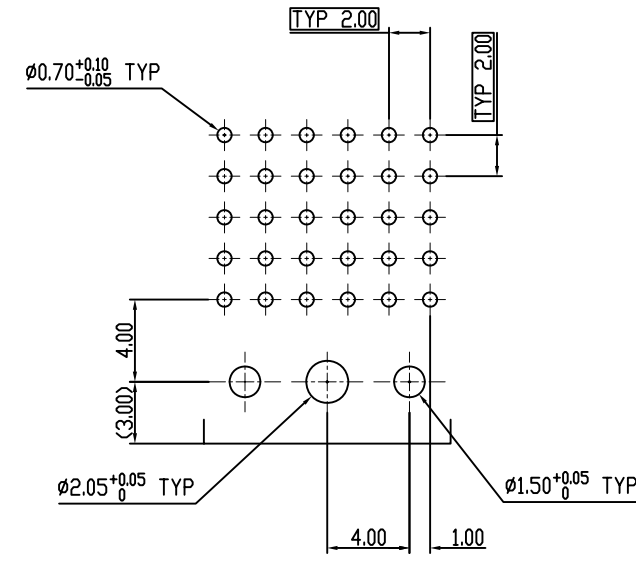
LF = LEAD FREE Sn PLATING ON TAILS

PERFORMANCE LEVEL
 SEE TABLE 2
 (6 = TELCORDIA CD)

INSULATING MATERIAL
 H = HIGH TEMPERATURE MATERIAL

VARIATIONS
 000 = STANDARD

BOARD ATTACHMENT
 P = PRESS-FIT RETENTION PEG

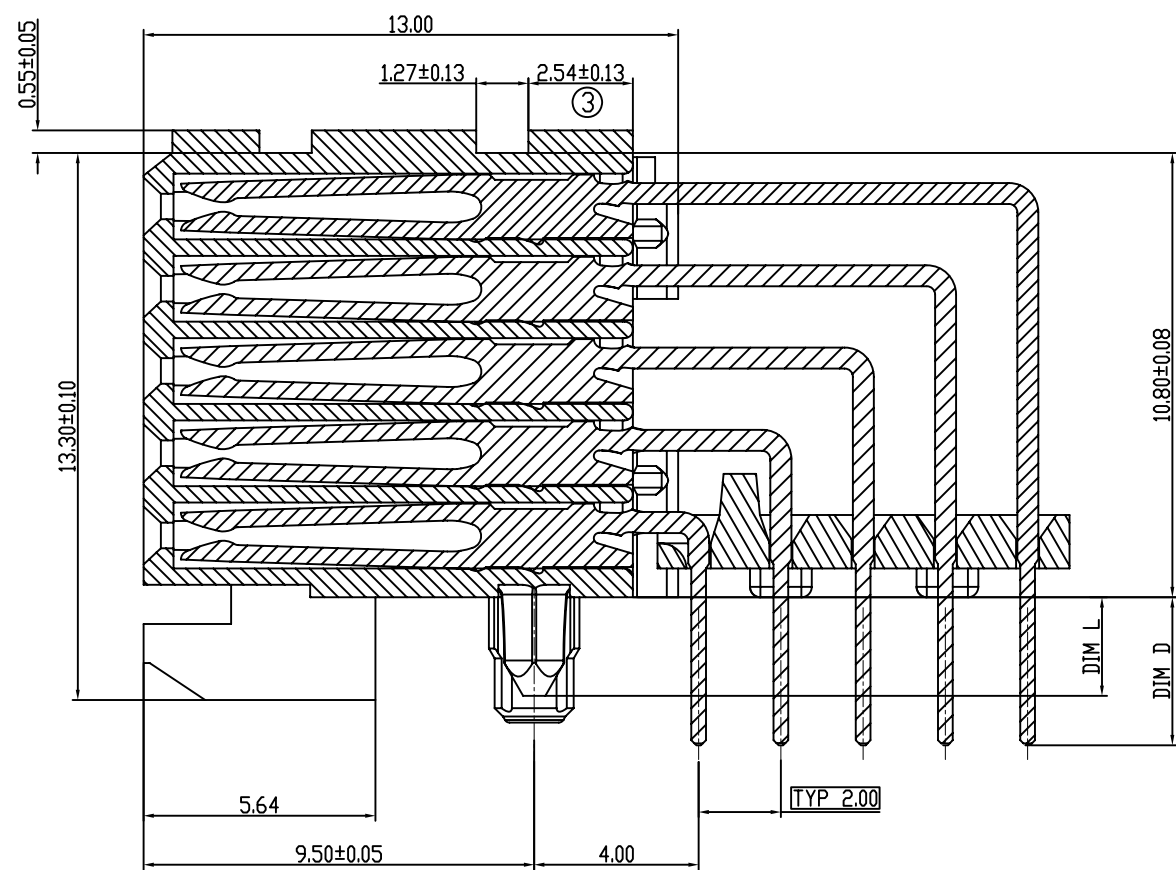


RECOMMENDED PC BOARD LAYOUT,
 COMPONENT SIDE
 SEE PRINT 58351 FOR ADDITIONAL
 PCB INFORMATION

mat'l code NOTE 1 & 2	tolerance unless otherwise specified	CUSTOMER COPY	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	unit MM	product family	code
L DG06-0378 KL 09/05/06	.000± .10		USB	NT
M DG06-0434 CenH 10/23/06	angles 0° ± 3°	scale	size	dwg no.
N DG06-0534 CenH 14/12/06 dr V.SE Sebastian 7/14/05		4:1	A3	SE96847
P DG08-0173 TER 02/07/08 engr J.VOLSTROF 7/14/05				sheet
R NI0-0382 CenH 11/12/10 chr J.VOLSTROF 7/14/05				2 OF 3
S DG06-0378 Nick 01/13/16 appo J.VOLSTROF 7/14/05				
sheet/revision S				
index sheet 1-3				



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SECTION A-A

CATALOG NUMBER DESCRIPTION

PRODUCT FAMILY
 HMI = METRAL HMI

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

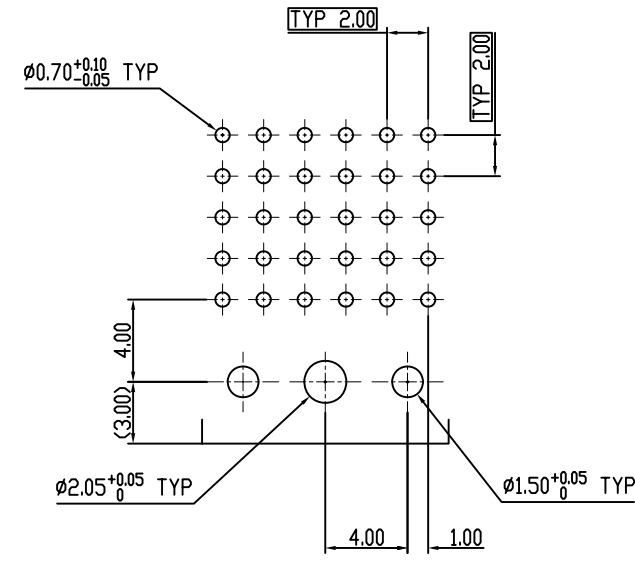
PCB TERMINATION TYPE
 A = SOLDER TAIL, FOR 1.6mm PCB
 B = SOLDER TAIL, FOR 2.4mm PCB

LF = LEAD FREE Sn PLATING ON TAILS
 P = PACKAGED IN TRAYS
 - = SEE PACKAGE SPEC GS-14-1228
 PERFORMANCE LEVEL
 6 = TELCORDIA CD

INSULATING MATERIAL
 H = HIGH TEMPERATURE MATERIAL


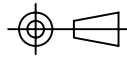
SPECIAL DATAS:
 VISUAL INSPECTION 100%
 - MARKING FAILURES
 - HOUSING MATERIAL FAILURES
 - SPOILT HOUSING
 - STAINED HOUSING
 - BROKEN CONTACTS (Twisted or Loosen)

BOARD ATTACHMENT
 P = PRESS-FIT RETENTION PEG



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

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

mat'l code NOTE 1 & 2		tolerance unless otherwise specified		CUSTOMER COPY	 www.fciconnect.com	
rev	ecn no.	dr	date	linear		projection
K	V05-0439	VS	07/14/05	.0 ± .50		
L	DG06-0378	KL	09/05/06	.00 ± .15		
M	DG06-0434	Cenh	10/23/06	angles	0° ± 3°	
N	DG06-0534	Cenh	14/12/06	dr	V.SEVERIAN 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	
S	DG06-0378	Nick	01/13/16	appd	J.VOLSTRDF 7/14/05	
sheet	revision	s				unit MM
index	sheet	1-3				scale 4:1
					product family	code
					USB	NT
					size	sheet
					A3	3 OF 3
					dwg no.	
					SE96847	



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