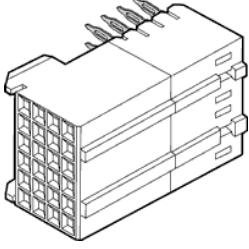


88946-102LF - METRAL® : 4
Row Signal Receptacle, Right
Angle, Press-Fit



www.fci.com

Specifications

General	
Contact type	Signal
Number of contacts (per row)	12
Number of contacts (Total)	48
Number of rows	4
Orientation	Right Angle
Product Type	Receptacle
Termination Style	Press-Fit
Dimensional	
Height (Above board)	9.3 mm (0.366 in.)
Length (Tail)	2.9 mm (0.114 in.)
Thickness (Board)	1.6 mm (0.063 in.) min.
Electrical	
Current rating	1A
Resistance (Insulation)	1000 M-ohms
Voltage rating	1000V rms
Mechanical	
Durability (Mating cycles)	250
Withdrawal Force	0.2N min. per Contact
Insertion force (max per contact)	0.45N max. per Contact
Mounting	
Retention feature (Board)	Press-Fit Peg
Solder process	Wave IR Vapor - Phase
Termination	Board
Physical	
Color (Housing)	Natural
Material (Contact)	Copper Alloy
Material (Housing)	Glass - Filled LCP
Plating	IEC class 2 Gold
Plating (Tail)	IEC class 2 Gold
Temperature (Operating - range)	-55°C to +105°C
Approvals / Certifications	
Approvals / Certifications	UL and CSA Approved
Other Features	

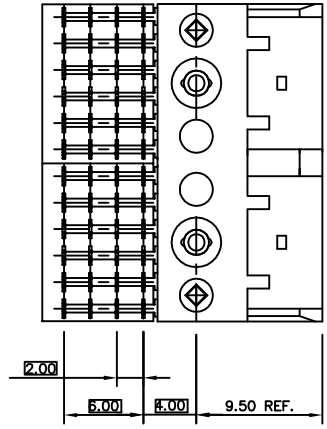
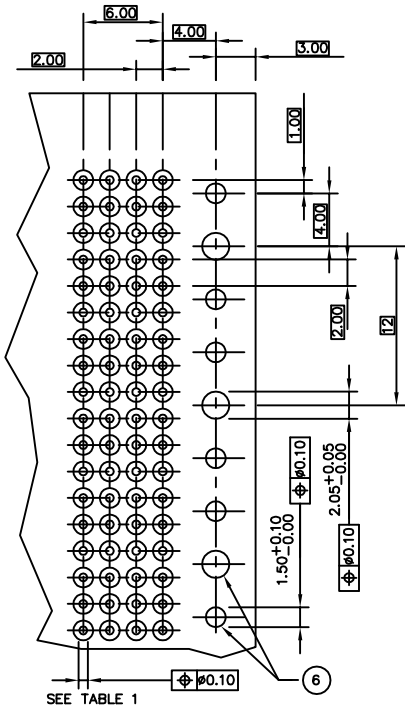
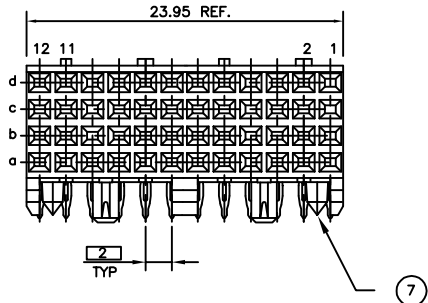
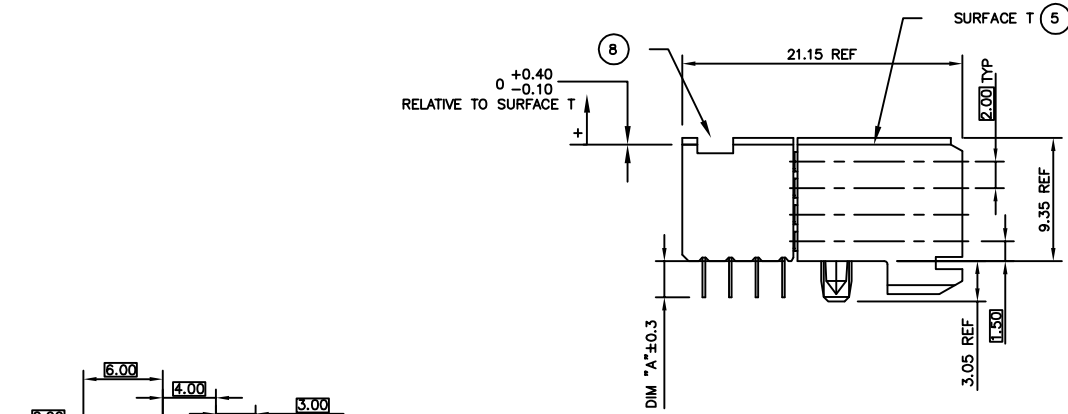
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PRODUCT NUMBER	PCB THICKNESS	DIM "A"
88946-X02	1.6	2.90
88946-X12	2.4	3.53
88946-X02LF	1.6	2.90
88946-X12LF	2.4	3.53

PLATING CONTACT AREA:	
DASH NR:	PERFORMANCE LEVEL
-1YY/1YYLF	TELCORDIA CO
-2YY/2YYLF	CUSTOMER SPECIAL
-3YY/3YYLF	CUSTOMER SPECIAL



- NOTES:
- CONNECTOR MATERIALS:
HOUSING: LCP, 30% GLASS FILLED, UL 94-V0 COMPLIANT
PRESS BLOCK: GLASS FILLED, HIGH TEMPERATURE RESIN UL 94-V0 COMPLIANT
TERMINAL: PHOSPHOR BRONZE ALLOY
 - PRESS-FIT TAIL PLATING: 0.5-1.5 μm TIN LEAD
 - PRODUCT SPECIFICATION:
GS-12-002
 - APPLICATION SPECIFICATIONS:
BUS-20-081
GS-20-001
TA-941
 - PRODUCT MARKING: (PART NUMBER & LOT CODE).
 - INDICATED HOLES ARE UNPLATED.
 - DIAMOND LOCATION PEG ARE ONLY EXISTED ON THE BOTH SIDES OF PRODUCT.
 - TOP SURFACE OF PRESS BLOCK MAY EXTEND UP TO 0.4MM HIGHER THAN HOUSING. THIS MAY AFFECT THE TAIL LENGTH BEFORE APPLICATION TO A BOARD.
 - THESE PRODUCTS WHERE THE PART NUMBER ENDS IN "LF" MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
 - ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 240°C FOR 60 SECONDS IN A CONVECTION, INFAR-RED OR VAPOR PHASE REFLOW OVEN.
 - FOR LEAD FREE PART NUMBERS ADD "LF" SUFFIX. EXAMPLE: 88946-XYLF.

HOLE DIAMETER AFTER PLATING	0.65-0.80
DRILLED HOLE	0.81-0.86 (0.85 DRILL)
COPPER PLATING	0.025 - 0.05
SnPb PLATING	0.005-0.015

mat'l. code		tolerances unless otherwise specified		CUSTOMER COPY		FCI	
SEE NOTES						www.fciconnect.com	
ltr	ecn no	dr	date	linear	.X ±.3	projection	title
M	DG06-0445	Cenh	10/30/06		.XX ±.10		B SERIES R/A SIGNAL RECEPT ASSY
N	DG07-0170	Cenh	05/22/07		.XXX ±.050		
P	DG08-0171	TER	8/15/08	angles	0' ±2'		product family METRAL (tm)
R	DG09-0068	Cenh	06/06/09	dr	S.STONER 10/29/92		
				enr	R.DOUTRICH 10/29/92	size	dwg no
K	V05-0074	LP	4/12/05	chr	S.STONER 10/29/92	scale	A
L	V05-0522	DAI	6/8/05	appd	S.STONER 10/29/92		
sheet	revision	R					
index	sheet	1					

RECOMMENDED PC BOARD LAYOUT, COMPONENT SIDE.

Packaging (Type)	Tube
Type	Assembly
Literature	950511-001