

**69255-001LF - Modular Jack
: Cat 3 Single, Vertical, Board
Through Mount, Unshielded
Diamond Peg, 8P8C, 1 Port**



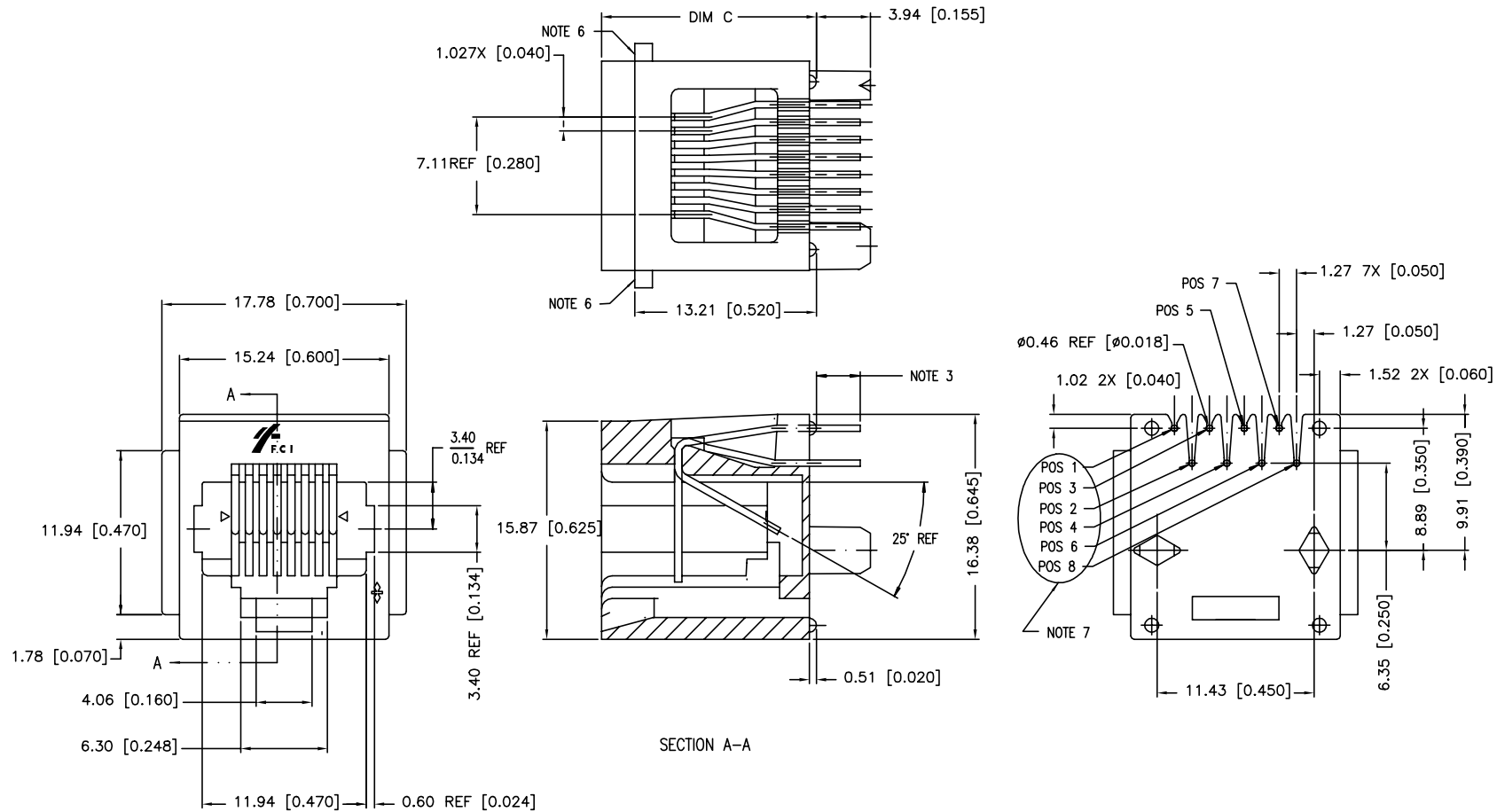
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Specifications

General	
Keyed	No
Location Peg	Diamond
# Contacts/ Port	8
Number of Ports	1
Orientation	Vertical
Panel Stops	Yes
Performance Category	Cat 3
Product Style	Single
Shield (Style)	None
Shielded	No
Positions Loaded	All
Mating half	Mates with Modular Plugs conforming to FCC Part 68, Subpart F
Series Number	69255
Dimensional	
Diameter (Peg)	3.55 mm
Height (Above board)	Standard
Length (Overall pin)	3.18 mm (0.125 in.)
Electrical	
Attenuation	0.4 dB max. at 16 MHz
Crosstalk loss	-34 dB at 16 Mhz
Current rating	+30°C with all Contacts Powered at 1A
Resistance (Contact)	20 milli ohms max. per EIA 364-23
Resistance (Insulation)	500 M-ohms min.
Return Loss	0.07 max. to 20 Mhz, 0.2 max. to 100 Mhz
Voltage rating	1000 volts Signal to Signal AC or DC
Mechanical	
Durability (Mating cycles)	250 Cycles
Mating force	20N (4.5 lbf)
Retention force	22.5N (5 lbf)
Mounting	

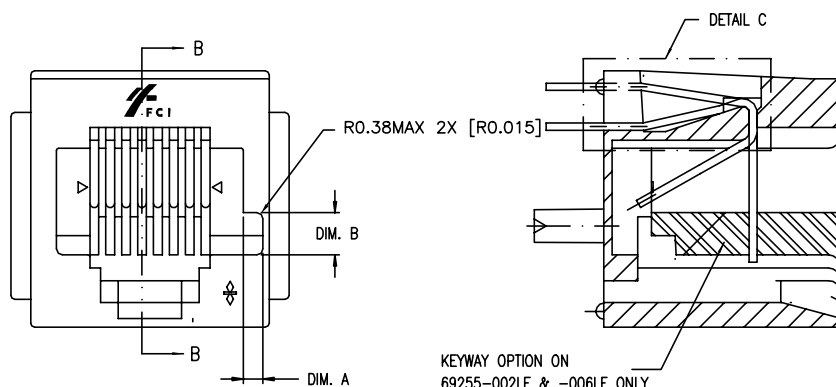
Mounting style	Board Through Mount
Solder process	Wave
Physical	
Color (Housing)	Black
Material (Contact)	Copper Alloy
Material (Housing)	Polyester, PET
Plating (Contact area)	0.76 µm (30 µin.) GXT™
Underplating (Contact)	2.54 µm (100 µin.) Nickel
Flammability rating	Meets UL-94 V-0
Approvals / Certifications	
UL File Number	E82037
CSA File Number	LR46923
Approvals / Certifications	UL and CSA Approved
Other Features	
Most Popular Configuration	Yes
Packaging (Type)	Tube

PRODUCT NO.
SEE TABLE

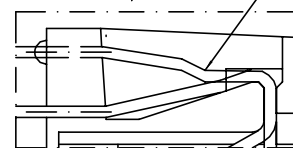


mat'l. code				surface ISO1302	tolerance ISO1101 ISO406	projection mm	product family MOD JACK
l	tr	ec	n	o	d	r	
AB	N05-0022	MHT	2/18/05	date	tolerances unless otherwise specified	mm	8 POS VERTICAL
AC	M05-0067	MHT	4/8/05	angle	0.X±0.3		PC.B. MOD JACK ASSY
AD	N08-0239	MHT	11/10/08	0'±2'	0.XX±0.15	scale 2.0	
AE	N09-0092	SH MNO	01/13/10	dr	JANET	2/22/00	
AF	ELX-N-010675	SH MNO	3/14/12	engr	M.CHENG	12/19/00	dwg no
				chr	M.CHENG	12/19/00	sheet 1 of 3
				appd	M.CHENG	12/19/00	size
sheet	revision	AF	AF	AF			A4
index	sheet	1	2	3			

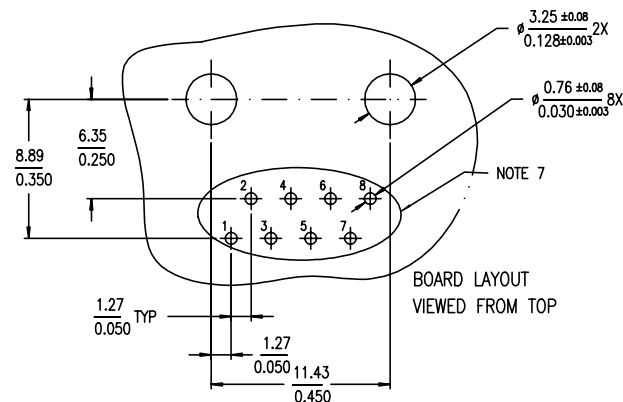
PRODUCT NO. ④	DIM. A	DIM. B	DIM. C	STYLE	POSITIONS LOADED	CONTACT PLATING ①	NOTES
69255-X01YLF	-	-	15.62/0.615	UNKEYED	ALL	5u" Au + high performance lubricant	-
-X02YLF	1.25 /0.050	2.69 /0.106	15.62/0.615	KEYED	ALL	5u" Au + high performance lubricant	-
-X03YLF	-	-	15.62/0.615	UNKEYED	2,3,4,5,6,7	5u" Au + high performance lubricant	-
-X04YLF	-	-	15.62/0.615	UNKEYED	ALL	5u" Au + high performance lubricant	-
-X05YLF	-	-	15.62/0.615	UNKEYED	ALL	1.27um /50u" GXT	-
-X06YLF	1.25 /0.050	2.69 /0.106	15.62/0.615	KEYED	ALL	1.27um /50u" GXT	-
-X07YLF	-	-	15.62/0.615	UNKEYED	ALL	5u" Au + high performance lubricant	NOTE 1
-X08YLF	-	-	15.62/0.615	UNKEYED	3,4,5,6	5u" Au + high performance lubricant	-
-X09YLF	-	-	15.62/0.615	UNKEYED	ALL	5u" Au + high performance lubricant	NOTE 6
-X10YLF	-	-	13.62/0.536	UNKEYED	ALL	5u" Au + high performance lubricant	NOTE 6



KEYED STYLE

SPECIAL BEND REQUIRED BY
CUSTOMER FOR P/N 69255-001BLFDETAIL C
(OPTIONAL DESIGN)

SECTION B-B



NOTES :

- ① SPECIAL PACKAGING.
- ② SOLDER TAIL LENGTH :
 X = 0 [3.18 ±0.51 / 0.125 ±0.020]
 X = 1 [8.13 ±0.51 / 0.320 ±0.020]
 X = 2 [5.30 ±0.51 / 0.208 ±0.020]
 X = 3 [3.70 ±0.51 / 0.145 ±0.020]
 [FOR X = 1 TO 2 , WIRE TRUE POSITION IS NOT APPLICABLE.]
 [PACKAGING SPEC. IS GES-14-428]
- ③ COLOR OF HOUSING :
 Y = NIL (BLACK HOUSING)
 Y = W (WHITE, RAL1013 HOUSING)
 Y = G (GRAY, HOUSING)
- ④ SPECIAL REQUIREMENT :
 SEE DETAIL C FOR P/N 69255-001B
 FOR FEATURE DETAILS.
- ⑤ NO PANEL STOPS ON -X09Y AND -X10Y.
- ⑥ THIS PIN NUMBERING OPPOSITE TO
 FCC, PART 68, SUB-PART F REQUIREMENTS
- ⑦ PART NUMBERS WITH LF IN THE END ARE LEAD FREE.
- ⑧ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AN OTHER COUNTRY
 REGULATION AS DESCRIBED IN GS-22-008.
- ⑨ THE HOUSING TEMPERATURE WITHSTAND EXPOSURE TO 260°C PEAK
 TEMPERATURE FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A
 1.5 MM MINIMUM THICK CIRCUIT BOARD. SEE APPLICATION NOTES/PROCEDURES
 IF THEY ARE AVAILABLE.
- ⑩ PLATING OPTION:
 MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

mat'l. code				surface 		tolerance		projection 		product family					
				ISO1302		ISO1101 ISO406				MOD JACK					
ltr		ecn		nodr		date		tolerances unless otherwise specified		title					
AB		N05-0022		MHT		2/18/05		angle 		0.X±0.3		mm 		8 POS VERTICAL	
AC		M05-0067		MHT		4/8/05				0.XX±0.15				PC.B. MOD JACK ASSY	
AD		N08-0239		MHT		11/10/08		0°±2'		0.XXX±0.05		scale 2.0			
AE		N09-0092		SH MMD		01/13/10		dr		JANET		2/22/00		dwg no	
AF		ELX-N-010675		SH MMD		3/14/12		engr		M.CHENG		12/19/00		sheet 2 of 3	
								chr		M.CHENG		12/19/00		69255	
								appd		M.CHENG		12/19/00		A4	
sheet		revision												type	
index		sheet												Product Customer Drawing	



PRODUCT NO. ④	DIM. A	DIM. B	DIM. C	STYLE	POSITIONS LOADED	CONTACT PLATING ①	NOTES
69255-X01YHLF	-	-	15.62/0.615	UNKEYED	ALL	5u" Au + high performance lubricant	-
-X02YHLF	1.25 /0.050	2.69 /0.106	15.62/0.615	KEYED	ALL	5u" Au + high performance lubricant	-
-X03YHLF	-	-	15.62/0.615	UNKEYED	2,3,4,5,6,7	5u" Au + high performance lubricant	-
-X04YHLF	-	-	15.62/0.615	UNKEYED	ALL	5u" Au + high performance lubricant	-
-X05YHLF	-	-	15.62/0.615	UNKEYED	ALL	1.27um /50u" GXT	-
-X06YHLF	1.25 /0.050	2.69 /0.106	15.62/0.615	KEYED	ALL	1.27um /50u" GXT	-
-X07YHLF	-	-	15.62/0.615	UNKEYED	ALL	5u" Au + high performance lubricant	NOTE 1
-X08YHLF	-	-	15.62/0.615	UNKEYED	3,4,5,6	5u" Au + high performance lubricant	-
-X09YHLF	-	-	15.62/0.615	UNKEYED	ALL	5u" Au + high performance lubricant	NOTE 6
-X10YHLF	-	-	13.62/0.536	UNKEYED	ALL	5u" Au + high performance lubricant	NOTE 6

MEETS PIP PROCESS PRODUCT NO.

mat'l. code				surface ISO1302 ✓		tolerance ISO1101 ISO406		projection 		product family MOD JACK						
ltr	ec	nodr	date	tolerances unless otherwise specified				title		8 POS VERTICAL PC.B. MOD JACK ASSY						
AB	N05-0022	MHT	2/18/05	angle line		0.X±0.3										
AC	M05-0067	MHT	4/8/05			0.XX±0.15										
AD	N08-0239	MHT	11/10/08	0°±2'		0.XXX±0.05		scale 2.0								
AE	N09-0092	SH MMD	01/13/10	dr	JANET	2/22/00			dwg no					sheet 3 of 3	size	
AF	ELX-N-010675	SH MMD	3/14/12	enr	M.CHENG	12/19/00			69255					A4		
				chr	M.CHENG	12/19/00										
				appd	M.CHENG	12/19/00			type					Product	Customer	Drawing
sheet		revision														
Index		sheet														