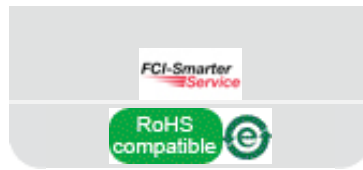


68898-001LF - Modular Jack
: Cat 3, Horizontal, Through
Mount, Unshielded, 6P6C, 1
Port



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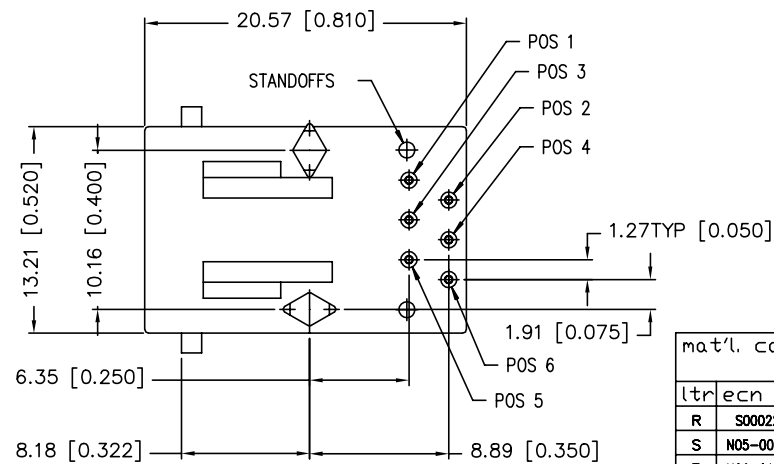
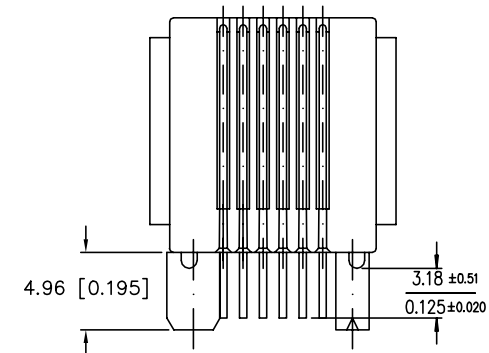
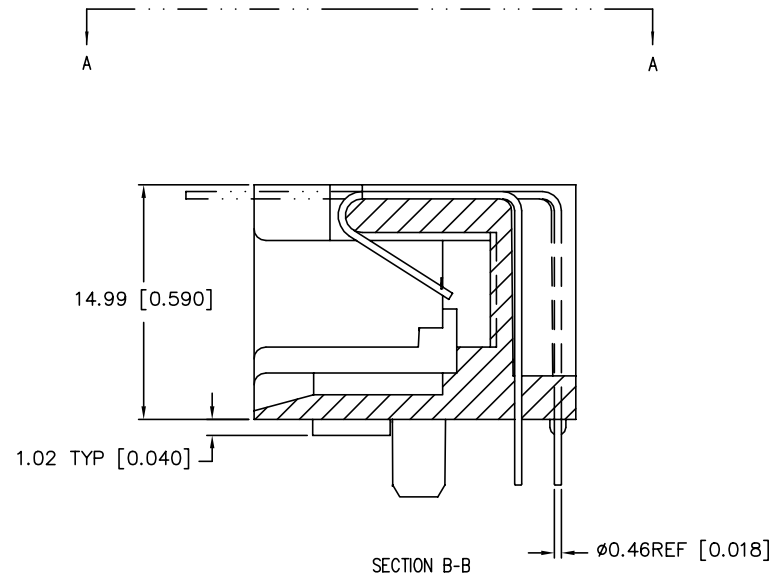
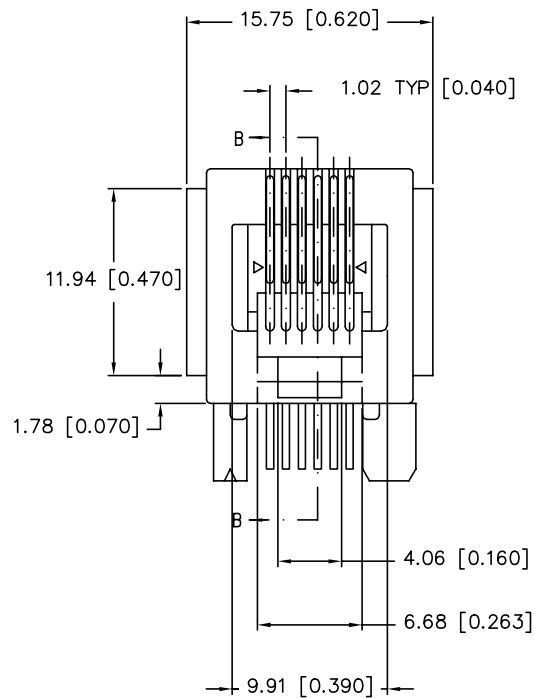
Specifications

General	
Keyed	No
Location Peg	Diamond
Number of contacts	6
Number of contacts (Loaded)	All
Number of Ports	1
Orientation	Horizontal
Panel Stops	No
Performance Category	CAT3
Product Style	Single
Shield (Style)	None
Shielded	No
Mating half	mates with Modular Plugs conforming to FCC Part 68, Subpart F
Series Number	68898
Dimensional	
Height (Above board)	Standard
Thickness (Board)	1.6 mm (0.063 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 36423
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	
Ground tabs	None
Mounting ears	Yes
Mounting style	Board Through Mount
Solder process	Wave

Physical	
Color (Housing)	Black
Material (Contact)	Copper Alloy
Material (Housing)	Nylon
Plating (Contact)	0.76 µm (30 µin.) GXT™
Underplating (Contact)	2.54 µm (100 µin.) Nickel
Flammability rating	meets UL94 V0
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

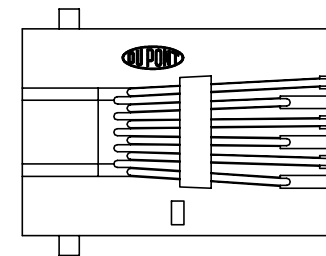
PRODUCT NO.

SEE TABLE



mat'l. code				surface	tolerance	projection	product family
ISO1302				ISO1101	ISO406	mm	MOD JACK
tolerances unless otherwise specified				angle	scale	mm	6 POS HORIZONTAL
R	S00022	BC L	01/26/00	0°±2'	0.X±0.3	scale 2.0	P.C.B. MOD JACK ASSY
S	N05-0002	YS	01/07/05		0.XX±0.15		
T	N06-0130	LONG	5/15/06		0.XXX±0.05		
U	N08-0097	SH MMD	5/10/08	dr	JANET	01/26/00	dwg no
V	ELX-N-010699	SH MMD	03/14/12	engr	TONY CHIEN	01/26/00	sheet 1 of 2
				chr	TONY CHIEN	01/26/00	size
				appd	JENN TSAO	01/26/00	A4
sheet	revision	v	v				type
index	sheet	1	2				Product Customer Drawing

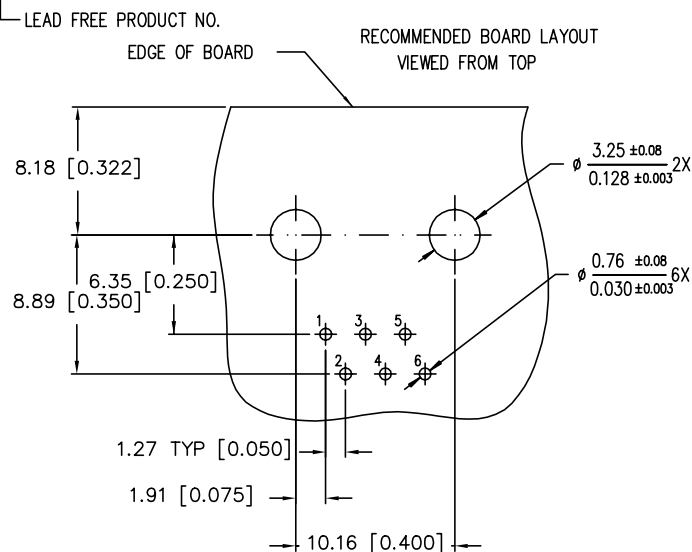
PRODUCT NO. (NOTE 1)	POSITIONS LOADED	CONTACT PLATING	HOUSING COLOR	EARS	REMARKS
68898-001/-001LF	ALL	5u" Au + high performance lubricant @ TM	BLACK	YES	-
68898-001R/-001RLF	ALL	5u" Au + high performance lubricant @ TM	RED	YES	-
68898-001G/-001GLF	ALL	5u" Au + high performance lubricant @ TM	GREEN	YES	-
-002/-002LF	2,3,4,5	5u" Au + high performance lubricant @ TM	BLACK	YES	-
-003/-003LF	3,4	5u" Au + high performance lubricant	BLACK	YES	-
-004/-004LF	2,3,4,5	5u" Au + high performance lubricant	BLACK	YES	-
-005/-005LF	ALL	5u" Au + high performance lubricant	BLACK	YES	-
-006/-006LF	3,4	5u" Au + high performance lubricant @ TM	BLACK	YES	-
-007	2,3,4,5	GXT @ TM	GRAY	YES	OBSOLETED
-008/-008LF	ALL	5u" Au + high performance lubricant	BLACK	NO	-
-009/-009LF	2,3,4,5	1,27um /50u" GXT	BLACK	YES	-
-010/-010LF	ALL	1,27um /50u" GXT	BLACK	YES	-
-011/-011LF	2,3,4,5	2u" GXT	BLACK	YES	-
-012/-012LF	2,3,4,5	6u" GXT	BLACK	YES	-
-013/-013LF	ALL	5u" Au + high performance lubricant @ TM	BLACK	YES	HI TEMP MATERIAL
-014/-014LF	3,4	6u" GXT	BLACK	YES	
-015/-015LF	3,4	5u" Au + high performance lubricant @ TM	BLACK	NO	
-016/-016LF	2,3,4,5	5u" Au + high performance lubricant @ TM	BLACK	NO	
-017LF	ALL	5u" Au + high performance lubricant @ TM	BLACK	YES	-



VIEW A-A

NOTES :

- WHEN PRODUCT CALLS FOR PACKAGING IN TRAY ORDER THE PRODUCT WITH PART NUMBER 68898-XXXT OR -XXXTLF FOR PACKAGING IDENTIFICATION. FOR PRODUCT NUMBER WITHOUT SUFFIX "T" OR "TLF", THE PRODUCT WILL BE PACKED IN TUBE AS PER DUPONT STANDARD PACKAGING.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- IF LF P/N PACKAGING MEETS GS-14-920 SPECIFICATION.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.60mm MINIMUM THICK CIRCUIT BOARD.
- FOR 68898-013/013LF THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- EQUIVALENT THICKNESS Au AND GXT PLATING HAVE SAME FUNCTION AND THEY ARE ALTERNATIVE BY THE CUSTOEMR .



mat'l. code				surface	tolerance	projection	product family
ISO1302				ISO1101	ISO406	mm	MOD JACK
l	tr	ec	n	no	dr	date	title
R	S00022	BC	L	01/26/00	angle	0.1X±0.3	6 POS HORIZONTAL
S	N05-0002	YS	01/07/05	0.1X±0.15	scale	2.0	P.C.B. MOD JACK ASSY
T	N06-0130	LONG	5/15/06	0.1X±0.05	scale	2.0	
U	N08-0097	SH	MMQ	5/10/08	dr	JANET	01/26/00
V	ELX-N-010699	SH	MMQ	03/14/12	engr	TONY CHIEN	01/26/00
					chr	TONY CHIEN	01/26/00
					appd	JENN TSAO	01/26/00
sheet	revision						
index	sheet						