

**94152-088LF - Modular Jack
: Cat 3, Vertical, Through
Mount, Shielded Snap Peg, 8
Positions, 1 Port**



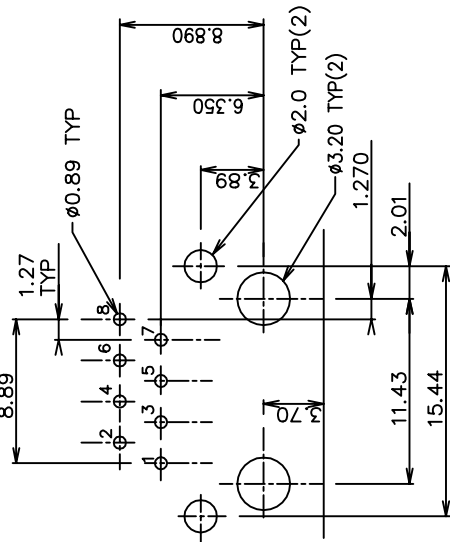
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Specifications

General	
Keyed	No
Location Peg	Snap
# Contacts/ Port	8
Number of Ports	1
Orientation	Vertical
Panel Stops	Yes
Performance Category	Cat 3
Product Style	Single
Shield (Style)	Standard
Shielded	Yes
Positions Loaded	All
Mating half	Mates with Modular Plugs conforming to FCC Part 68, Subpart F
Series Number	94152
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	1500 volts Signal to Shield AC or DC
Mechanical	
Durability (Mating cycles)	250 Cycles
Mating force	20N max.
Retention force	22.5N (5 lbf)
Mounting	
Mounting style	Board Through Mount
Solder process	Wave
Physical	
Color (Housing)	Black

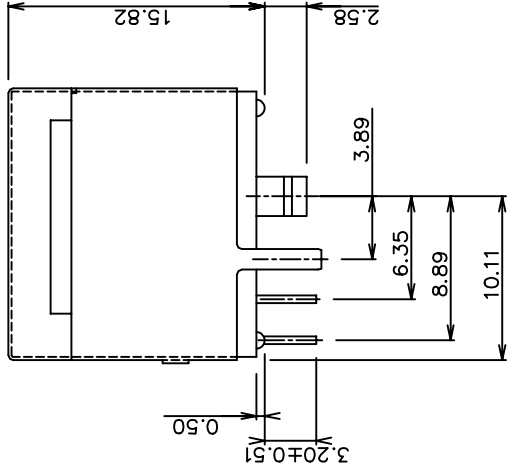
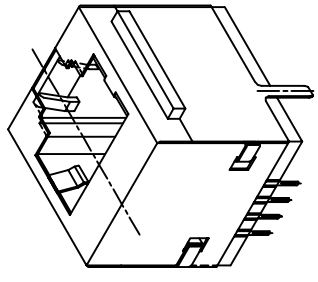
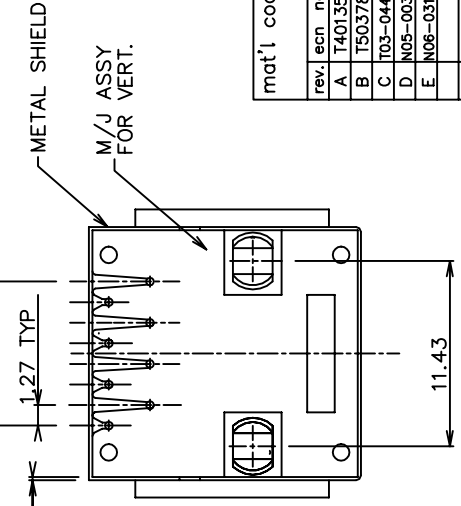
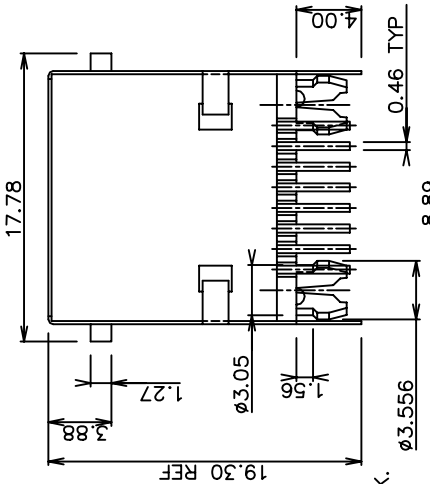
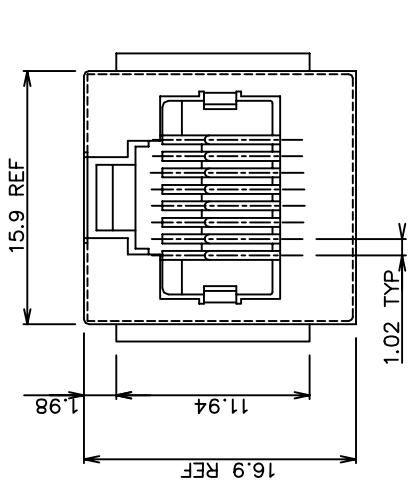
Material (Contact)	Copper Alloy
Material (Housing)	Nylon
Plating (Contact area)	0.76 µm (30 µin.) GXT™
Underplating (Contact)	2.54 µm (100 µin.) Nickel
Flammability rating	Meets UL-94 V-0
Approvals / Certifications	
Approvals / Certifications	UL and CSA Approved
Other Features	
Most Popular Configuration	Not Applicable
Packaging (Type)	Tray

P/N	WIRE NUMBERS LOADED	PLATING
94152-088	ALL	30 u" G.X.T.
94152-088LF	ALL	6 u" GOLD



RECOMMENDED PC BOARD LAYOUT

- NOTES:**
1. RECOMMENDED P.C.B THICKNESS 1.60 MM
 2. HOUSING MAT'L: NYLON 66, 25% G.F UL 94V-0, BLACK.
 3. CONTACTS: PHOS BRONZE ALLOY UNS-C51000, ϕ 0.460 ROUND WIRE, PLATING SEE TABLE.
 4. METAL SHELL MATERIAL: COPPER ALLOY. 0.20mm THICK FINISH: FOR 94152-XXX TIN-LEAD 100u" THICK MIN. FOR 94152-XXXLF PURE TIN 80u" THICK MIN.
 5. PACKAGING: GES-14-351, USE TRAY
 6. ALL DIMENSIONS IN MILLIMETER.
 7. IF LF P/N THE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
 8. 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.
 9. IF LF P/N PACKAGING MEETS GS-14-920 SPECIFICATION.



mat'l code		tolerance unless otherwise specified		CUSTOMER	
rev.	ec'n no.	dr	date	COPY	www.fciconnect.com
A	T40135		05/19/94	projection	title
B	T50378	C	12/18/95	± 0.25	8 POS VERT P.C.B. M/J ASSY SHIELDED
C	T03-0443	WL	10/06/03	± 0.13	product family
D	N05-0030	YS	02/05/05	± 0.05	unit
E	N06-0319	WG	12/28/06	$\pm 2^\circ$	mm./inch size
				dr	KCHOU 09/16/93
				enrg	TONY CHIEN 09/16/93
				chr	TONY CHIEN 09/16/93
				appd	JENN TSAO 09/16/93
scale	3/1			scale	3/1
sheet no.	1			sheet no.	1
index	1			index	1