

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0855425001

Status:

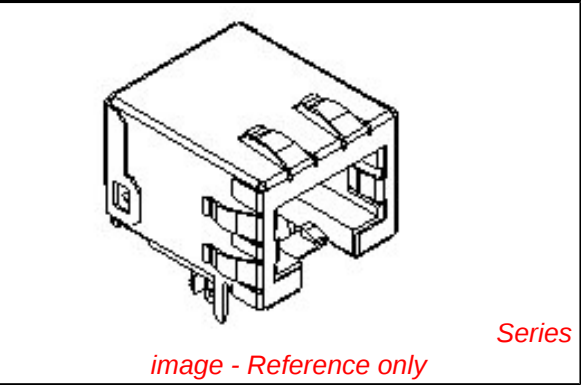
Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Right Angle, Low Profile, Shielded, SMT, 8/8



Documents:

3D Model

Drawing (PDF)

Application Specification (PDF)

Product Specification PS-95622-001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Modular Jacks/Plugs
Series	85542
Comments	Enhanced panel grounding tabs
Component Type	PCB Jack
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45

Physical	
Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	500
Inverted / Top Latch	No
Lightpipes/LEDs	None
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.040 In
Pitch - Mating Interface (mm)	1.02 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	50.8
Plating min: Mating (µm)	1.27
Plating min: Termination (µin)	76
Plating min: Termination (µm)	1.9
Ports	1
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire/Cable Type	N/A

Electrical	
Current - Maximum per Contact	1.5A
Grounding to Panel	Additional Grounding Springs
Shielded	Yes
Voltage - Maximum	125V AC (RMS)

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

85542Series

Mates With

FCC 68 Jacks

Solder Process Data

Duration at Max. Process Temperature (seconds)	45
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

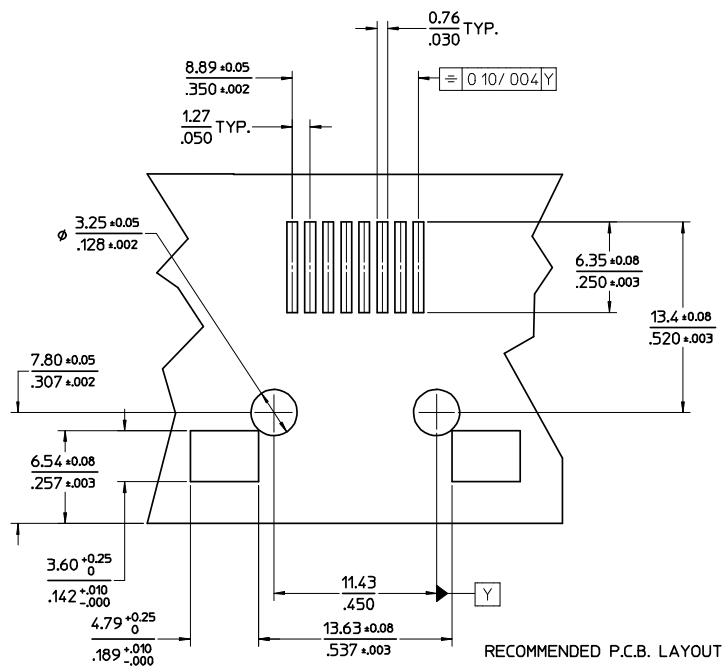
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85542-002
Product Specification	PS-95622-001
Sales Drawing	SD-85542-501

This document was generated on 06/08/2010

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NOTES:

- 1- JACK FOR MATING WITH SHIELDED PLUG (MOLEX 95043 SERIES)
- 2- PRODUCT SPECIFICATION: PS-95622-001
- 3- PACKAGING SPECIFICATION: PK-85542-002 (BLISTER ON REEL)
- 4- COPLANARITY OF SIGNAL LEADS: 0.10 MAX

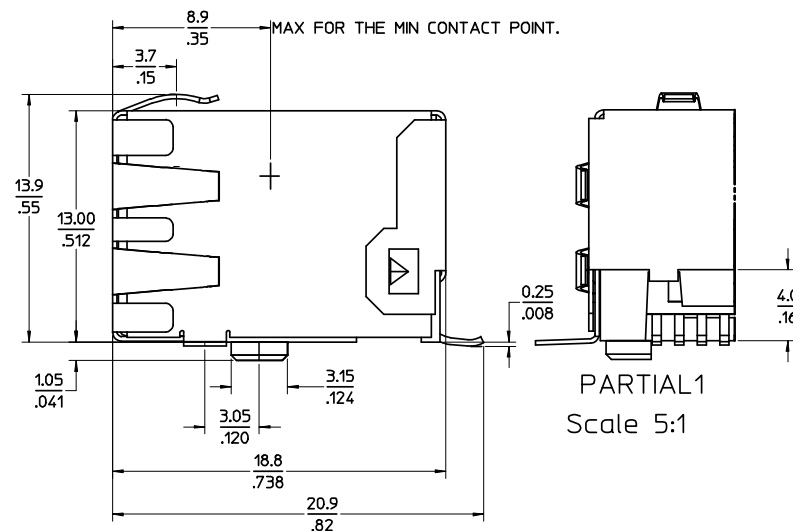
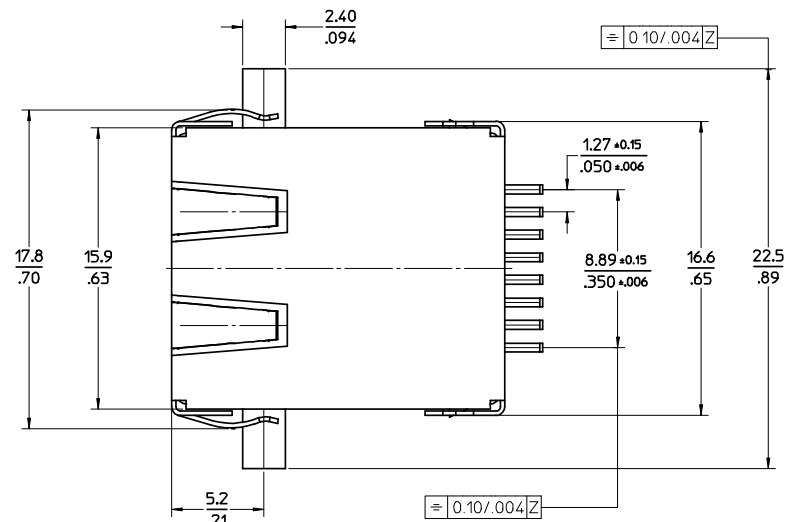
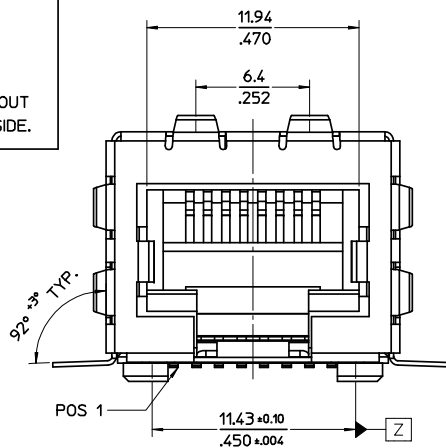
TECHNICAL SPECIFICATIONS:

MATERIAL:

HOUSING: LCP GLASS FILLED UL 94V0, COLOR BLACK.

TERMINAL: PHOSPHOR BRONZE PLATED WITH:
0.00127/.000050 MIN GOLD IN CONTACT AREA,
0.00190/.000075 MIN PURE TIN IN TAIL AREA,
BOTH OVER 0.00127/.000050 MIN NICKEL OVERALL.

SHIELD: BRASS PLATED WITH 0.0020/.000078 MIN TIN.



PARTIAL1
Scale 5:1

CORRECT PRODUCT SPEC		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: E2008-0405	2008/01/30	DRWN:BYRNES	2008/01/30	CHKO: EOMAHONY	2008/01/31	APPR: EOMAHONY	2008/01/31	MM/IN	5:1	METRIC			
DRAWN BY		DATE		TITLED		DRAWN BY		DATE		TITLED		FULLY SHIELDED TRUE SMT	
O. BYRNES		2006/09/21				CHECKED BY		DATE				R/A MOD JACK	
EOMAHONY		2006/09/06				APPROVED BY		DATE				8 CCT	
EOMAHONY		2006/09/06				MATERIAL NO.		DOCUMENT NO.				MOLEX INCORPORATED	
85542-5001						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX				INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
A2												SHEET NO.	
												1 OF 1	