

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0855035001

Status:

Active

Overview:

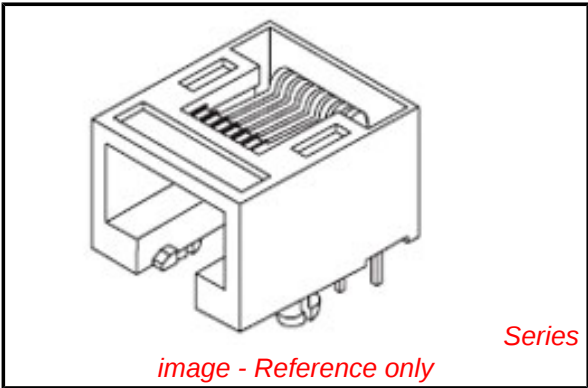
modular_plugs_jacks

Description:

CAT5 JACK 8/8 RA LP TH TRAY

Replacement Part Number:

855055013



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Application Specification \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
UL	E107635
General	
Product Family	Modular Jacks/Plugs
Series	85503
Component Type	PCB Jack
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	5e
Power over Ethernet (PoE)	N/A
Product Name	RJ45
Replacement Part Number	855055013
Physical	
Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Inverted / Top Latch	No
Lightpipes/LEDs	None
Material - Metal	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
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
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	Through Hole
Waterproof / Dustproof	No

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

85503Series

Wire/Cable Type	N/A
Electrical	
Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	125V DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Product Specification	RPS-85503-002
Sales Drawing	SD-85503-101
Test Summary	STR-1181

This document was generated on 06/07/2010

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NOTES :

1- MATERIAL:

-HOUSING: L C P FIBER GLASS FILLED UL 94-V0, COLOR BLACK.

-TERMINAL: PHOSPHOR BRONZE.

PLATING 2:

POST PLATE 0.00127-0.00152/.000050-.000060 GOLD IN CONTACT AREA

0.00190/.000075 MIN. PURE TIN IN TAIL AREA, BOTH OVER

0.00127/.000050 MIN. NICKEL OVERALL.

2- JACK FOR MATING WITH F.C.C.68 PLUGS (90075 MOLEX SERIES).

3- PRODUCT SPECIFICATION PS-85503-001

4- APPLICATION SPECIFICATION AS-85513-001

5- PACKAGING SPECIFICATION PK-95001: STANDARD PACKAGING SHEET 1.

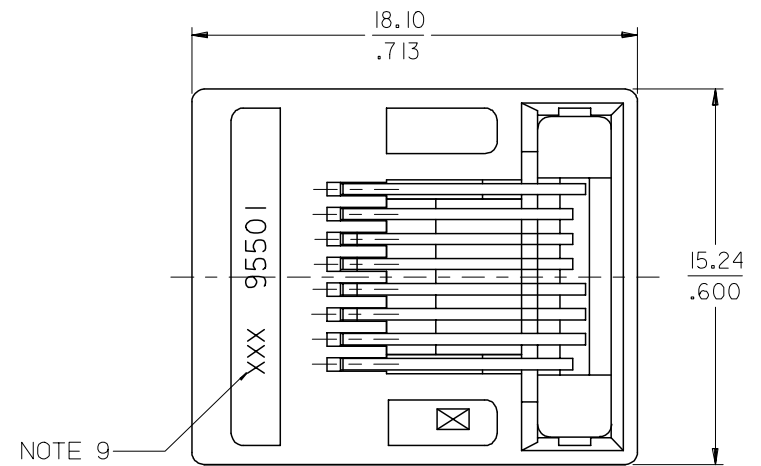
6- EXCEEDS CATEGORY 5E PERFORMANCE.

7- PC BOARD THICKNESS: 1.57/.062

8- CONVECTION SOLDERING DIA 3.25±0.05/.128±.002,

WAVE SOLDERING DIA 3.2±0.1/.126±.004

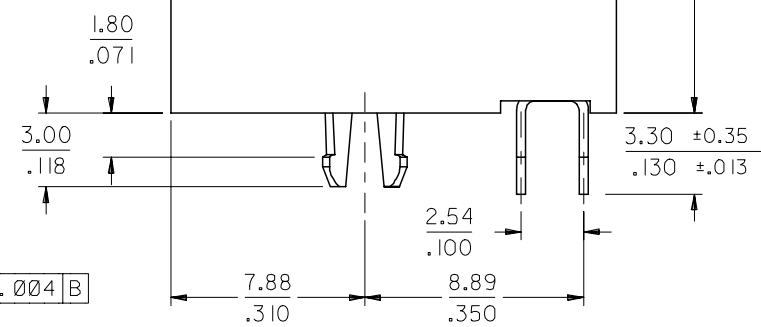
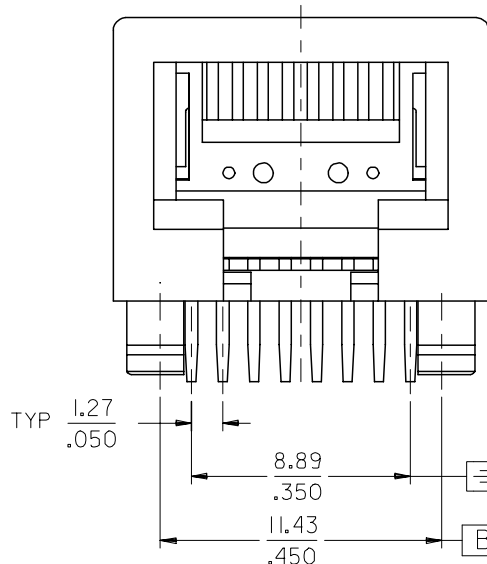
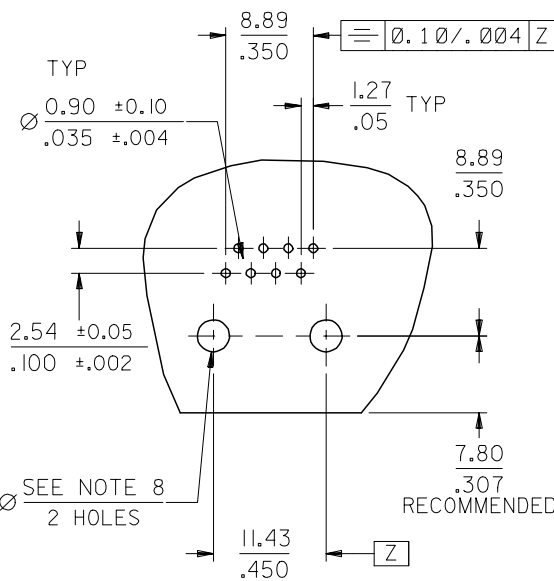
9- MANUFACTURING I.D. CAN BE MXF, MG OR MXI.



NOTE 9

P.C.B. MOUNTING PATTERNS (SEE FROM COMPONENT SIDE)

SCALE 2:1



UPDATED NOTES		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
					MM/IN	5:1	METRIC				
EC NO: E2008-0057		2007/08/03 2007/08/03 2007/08/07	▽=0 ▽=0	4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE HIGH SPEED MODULAR JACK RIGHT ANGLE LOW PROFILE THROUGH HOLE 8 CIRCUIT		
CHKD: DBYRNES				CHECKED BY	DATE						
APPR: EOMAHONY				2 PLACES	± 0.15	± .010	FCARABETTA	2005/03/08			
				1 PLACE	± 0.25	± ---	APPROVED BY	DATE			
				ANGULAR ±1/2°			KNOLLER	2005/03/08	MOLEX MOLEX INCORPORATED		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.	DOCUMENT NO.			SHEET NO.	
A						85503-5001	SD-85503-101			1 OF 1	
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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<http://moschip.ru/get-element>

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