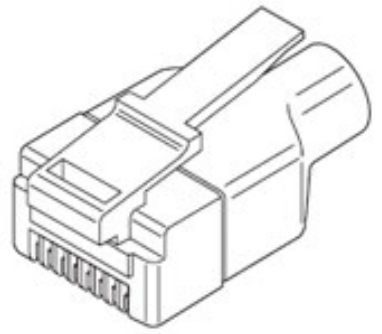
This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0855687887
Status: Active
Overview: modular_plugs_jacks
Description: Modular Plug, Short Body, Shielded, 8/8, Orange Boot, Cat6



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-85568-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	85568
Component Type	Wire Plug
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	6
Power over Ethernet (PoE)	N/A
Product Name	RJ45

Physical

Boot Color	ORANGE
Color - Resin	Clear
Durability (mating cycles max)	750
Flammability	94V-0
Inverted / Top Latch	N/A
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	Polycarbonate
Orientation	N/A
PCB Locator	No
PCB Retention	None
Packaging Type	Bag
Pitch - Mating Interface (in)	0.040 In
Pitch - Mating Interface (mm)	1.02 mm
Pitch - Term. Interface (in)	0.040 In
Pitch - Term. Interface (mm)	1.02 mm
Plating min: Mating (µin)	12
Plating min: Mating (µm)	0.3
Plating min: Termination (µin)	50.8
Plating min: Termination (µm)	1.27
Ports	1
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	IDT or Pierce
Waterproof / Dustproof	No
Wire/Cable Type	Round

Electrical

Current - Maximum per Contact	1.5A

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

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
85568Series

Mates With
FCC 68 Jacks

Application Tooling | **FAQ**

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
Handtool for 85568 Telecom Plug, Type C Crimp with Diameter 6.0 Cable	0690081192

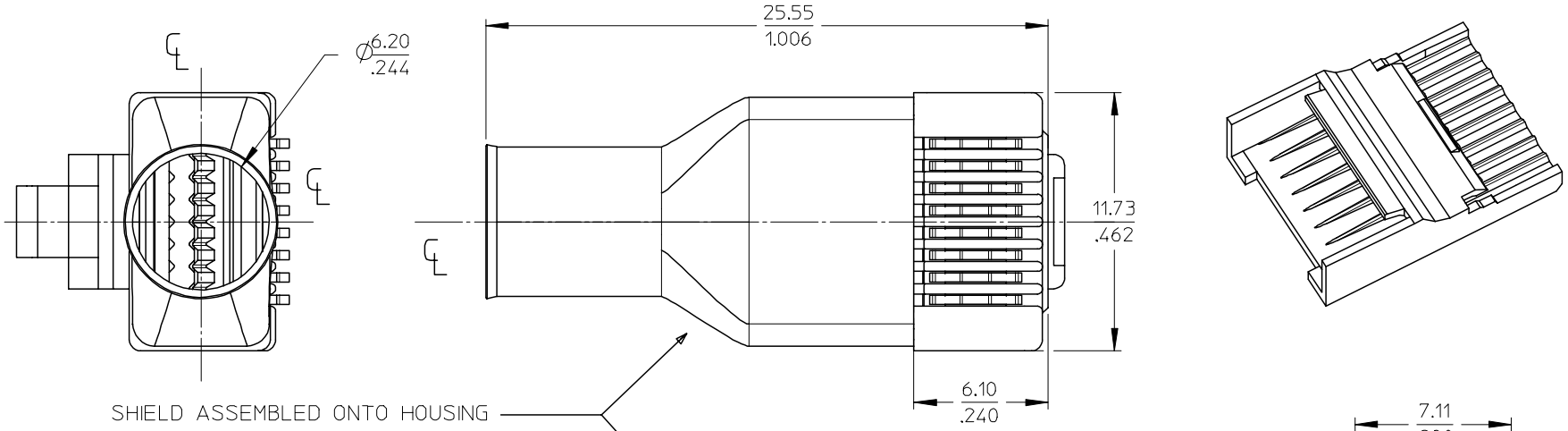
Grounding to Panel	N/A
Shielded	Yes
Voltage - Maximum	125V AC (RMS)

Material Info

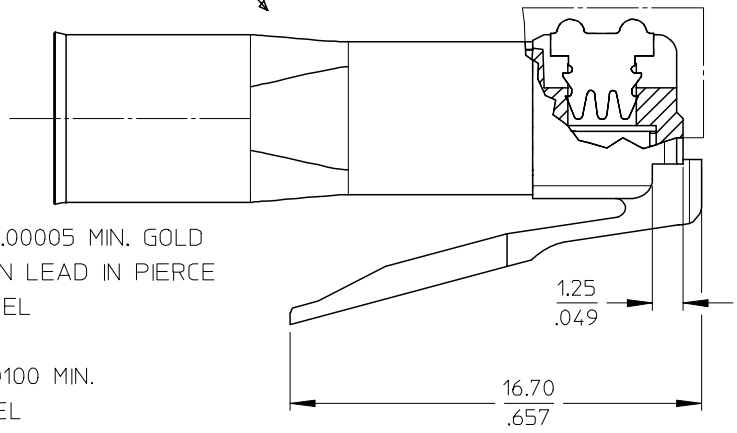
Reference - Drawing Numbers

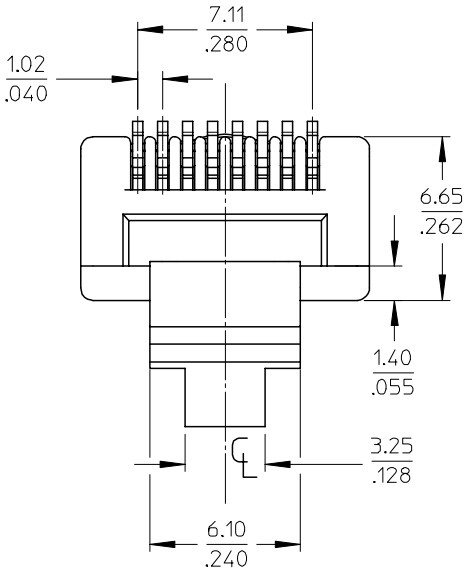
Application Specification	AS-85568-002
Packaging Specification	PK-85568-001
Product Specification	PS-85568-001
Sales Drawing	SD-85568-001

This document was generated on 06/08/2010
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SHIELD ASSEMBLED ONTO HOUSING





NOTES:

1- MATERIAL:
   PLUG HOUSING:
      CLEAR POLYCARBONATE UL94 V0
   WIRE-MANAGER:
      CLEAR POLYCARBONATE UL94 V0
   TERMINALS:
      PHOSPHOR BRONZE PLATED WITH 0.00127/.00005 MIN. GOLD IN CONTACT AREA, 0.00127/.00005 MIN. THIN LEAD IN PIERCE AREA BOTH OVER 0.00127/.00005 MIN. NICKEL
   SHIELD:
      COPPER ALLOY PLATED WITH 0.00254/.000100 MIN. BRIGHT TIN OVER 0.00127/.00005 MIN. NICKEL
2- PRODUCT INTENDED TO TERMINATE
   ROUND SHIELDED PIMF CABLE
   WITH JACKET O.D.: 5.9 +0.2 -0.3/ .232 +.008 -.012
   AS PER APPLICATION SPECIFICATION
   APPLICATION TOOLING- HAND TOOL:69008-1192
   DIE SET:69008-1193
3- PRODUCT SPECIFICATION: PS-85568-001
4- APPLICATION SPECIFICATION: AS-85568-002
5- PACKAGING SPECIFICATION: PK-85568-001
6- MATING INTERFACE DIMENSIONS OF PLUG ACC. IEC 60603-7-1 FREE CONNECTOR-VARIANT 02

REV	DESCRIPTION	APPR:	CHK'D:	DRWN:	EC NO:
A	APP TOOLING ADDED TO NOTE 6	EOMAHONY 2007/03/23	2007/03/23	PGRADY	E2007-0831 2007/03/23

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

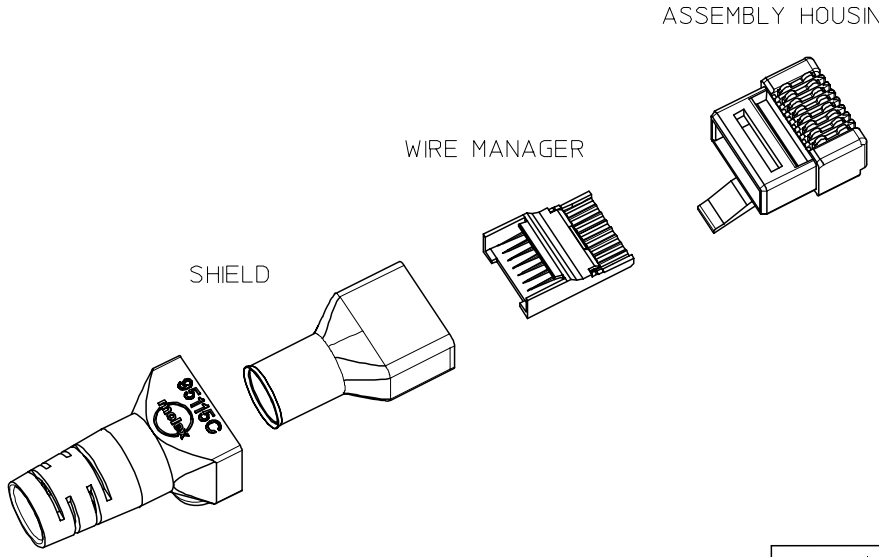
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± .010
1 PLACE	± ---	± ---

ANGULAR ± .5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

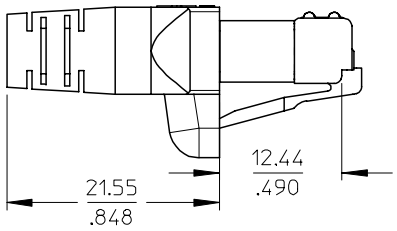
DIMENSION STYLE	MM/IN
SCALE	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	SSTEINKE 2002/10/01
CHECKED BY / DATE	SFILIPON 2002/10/08
APPROVED BY / DATE	MHEIM 2002/10/08
TITLE	SHIELDED MOD. PLUG CAT.6 8 POS. WITH WIRE MANAGER ROUND CABLE
	MOLEX INCORPORATED
MATERIAL NO.	SEE SHEET 2
DOCUMENT NO.	SD-85568-001
SHEET NO.	1 OF 2
SIZE	A3

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SHIELDED PLUG COMPOSITION

ASSEMBLY PART NUMBER	BOOT WITH LATCH PROTECTION			PARTS/ UNIT	PACKAGING VERSION
	PART NUMBER	COLOR	RAL NBR		
85568-7880	NO BOOT			1	A
85568-7881	95115-4881	BLACK	9005	1	A
85568-7882	95115-4882	GREY	7012	1	A
85568-7883	95115-4883	GREEN	6016	1	A
85568-7884	95115-4884	RED	3000	1	A
85568-7885	95115-4885	YELLOW	1021	1	A
85568-7886	95115-4886	BLUE	5015	1	A
85568-7887	95115-4887	ORANGE	2004	1	A



EC NO: E2007-0831 2007/03/23
DRWN:PGRADY 2007/03/23
CHKD:
APPR:EOMAHONY 2007/03/23
DESCRIPTION
REV A

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± .010
1 PLACE	± ---	± ---

ANGULAR ± .5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SSTEINKE DATE: 2002/10/01
CHECKED BY: SFILIPON DATE: 2002/10/08
APPROVED BY: MHEIM DATE: 2002/10/08

TITLE: SHIELDED MOD. PLUG CAT.6 8 POS. WITH WIRE MANAGER ROUND CABLE

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-85568-001
SHEET NO.: 2 OF 2
SIZE: A3

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