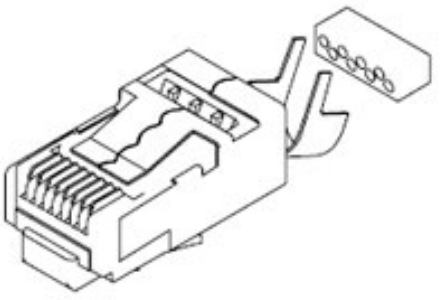
This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0449150011
Status: Active
Overview: modular_plugs_jacks
Description: Modular Plug, Category 6, Long Body, Shielded, 8/8, without Strain Relief



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-44915-003 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	44915
Component Type	Wire Plug
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	6
Power over Ethernet (PoE)	N/A
Product Name	RJ45

Physical

Color - Resin	Clear
Durability (mating cycles max)	500
Inverted / Top Latch	N/A
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polycarbonate
Orientation	N/A
PCB Locator	No
PCB Retention	None
Packaging Type	Bag
Panel Mount	N/A
Ports	1
Positions / Loaded Contacts	8/8
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	N/A
Wire/Cable Type	Round

Electrical

Current - Maximum per Contact	1.5A
Grounding to Panel	N/A
Shielded	Yes
Voltage - Maximum	125V

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-44915-003
Product Specification	PS-44915-003
Sales Drawing	SD-44915-001

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not 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
44915Series

Mates With
FCC 68 Jacks

Application Tooling | **FAQ**

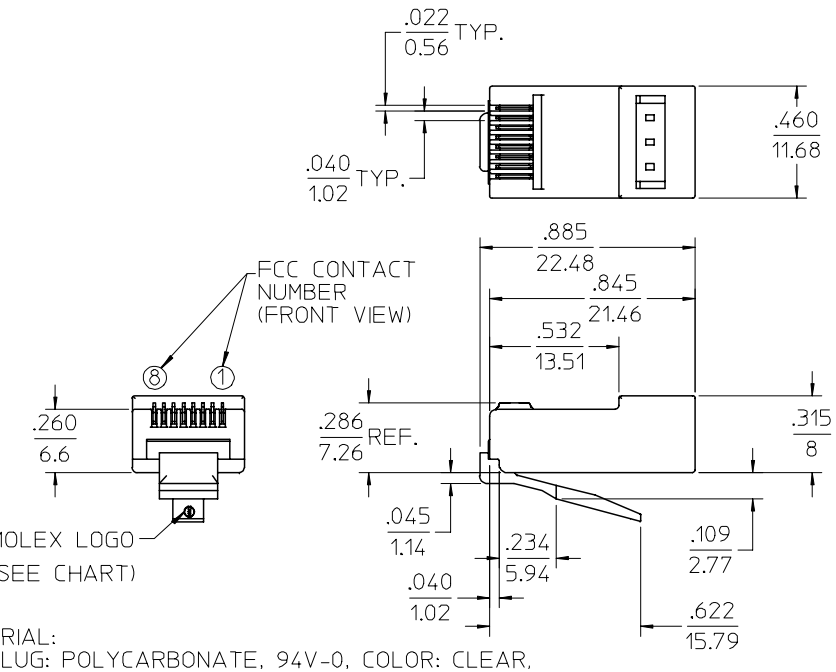
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

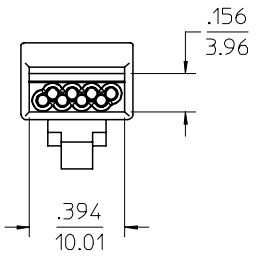
Global

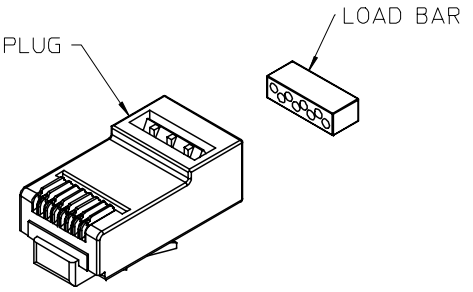
Description	Product #
Hand Crimp Tool	0622020500
ServiceGrade™ Hand Tool, Modular Plug	0640160044

This document was generated on 06/08/2010

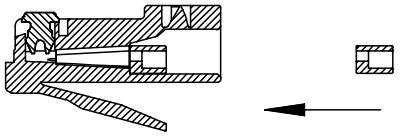
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION







ISOMETRIC VIEW
(NOT TO SCALE)



NOTES:
1. MATERIAL:
   PLUG: POLYCARBONATE, 94V-0, COLOR: CLEAR,
   LOAD BAR: POLYCARBONATE, 94V-0, COLOR: CLEAR,
   CONTACTS: PHOSPHOR BRONZE.
2. CONTACT PLATING:
   50 MICROINCHES / 1.27 MICROMETERS MIN. SELECT GOLD OVER
   100 MICROINCHES / 2.54 MICROMETERS MIN. NICKEL UNDERPLATE.
3. PRODUCT SPECIFICATION: PS-44915-003
4. PACKAGING SPECIFICATION:
   ALL PARTS ARE BULK PACKED PER MOLEX PACKAGING
   SPECIFICATION PK-44915-003.
5. FOR USE WITH 22 TO 28 AWG SOLID OR STRANDED
   CONDUCTORS WITH AN INSULATION O.D. RANGE OF .037/0.94 -
   .042/1.07 AND A JACKET O.D. OF .217/5.5 - .256/6.5.
6. EIGHT CONDUCTOR MODULAR PLUG, CONFORMS TO F.C.C.
   REGULATION PART 68.5 FOR MODULAR PLUGS.
7. PLUG REQUIRES THE LOAD BAR.
8. ALL UNTOLERANCED DIMENSIONS ARE FOR REFERENCE ONLY.
9. PLUG EXCEEDS CATEGORY 5 EIA/TIA 2840, ANNEX B
   SPECIFICATION, PERFORMANCE TUNED TO CABLES MEETING
   PROPOSED CATEGORY 6 SPECIFICATIONS.
10. THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT
    TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF
    DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL
    MAY NOT BE COMPLIANT.
11. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
    COSMETIC SPECIFICATION PS-45499-002.

MATERIAL NUMBER	MOLEX LOGO
449150001	YES
449150002	NO

REV	DESCRIPTION	EC NO: UCP2007-1736	DRWN: JBELL	CHK'D: LSCHMIDT	APPR: FSMITH
A5	UPDATE NOTE 5	2007/01/29	2007/01/30	2007/02/01	

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: MARGULIS	DATE: 01/01/12	
CHECKED BY: MARGULIS	DATE: 01/01/12	
APPROVED BY: COMERCI	DATE: 01/01/12	
MATERIAL NO.: SEE CHART		

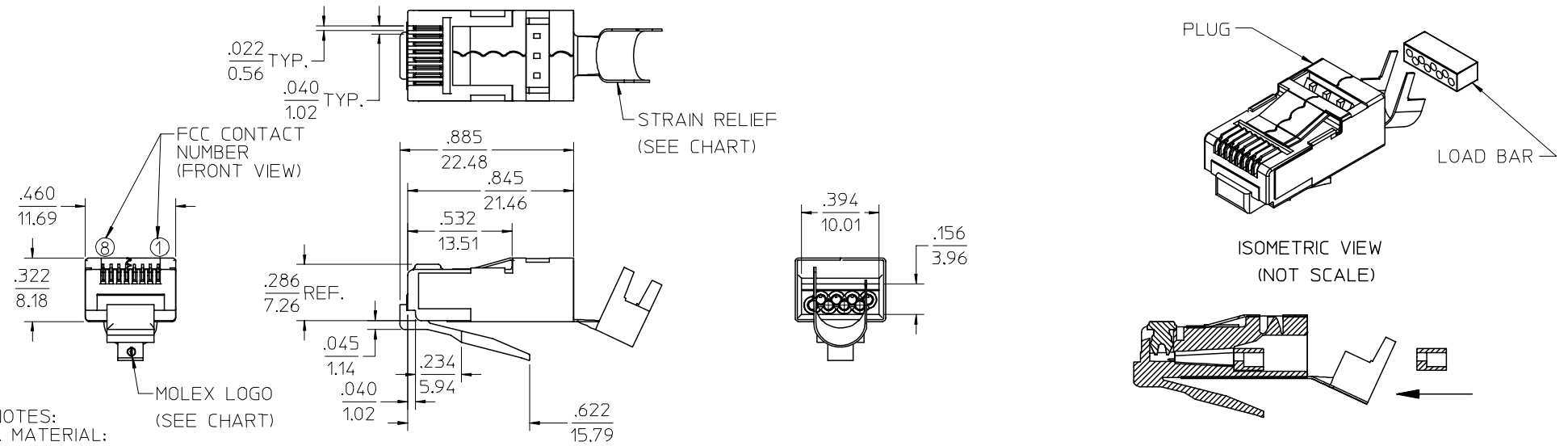
TITLE: RJ-45 PLUG FOR PROPOSED CAT 6 SPECIFICATIONS

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-44915-001
SHEET NO.: 1 OF 2

SIZE: B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



ISOMETRIC VIEW
(NOT SCALE)

NOTES:
1. MATERIAL:
   PLUG: POLYCARBONATE, 94V-0, COLOR: CLEAR,
   LOAD BAR: POLYCARBONATE, 94V-0, COLOR: CLEAR,
   CONTACTS: PHOSPHOR BRONZE,
   SHIELD: BRASS.
2. CONTACT PLATING:
   50 MICROINCHES / 1.27 MICROMETERS MIN. SELECT GOLD OVER
   100 MICROINCHES / 2.54 MICROMETERS MIN. NICKEL UNDERPLATE.
   SHIELD:
   100 MICROINCHES / 2.54 MICROMETERS BRIGHT TIN OVER
   30 MICROINCHES / 0.76 MICROMETERS COPPER UNDERPLATE.
3. PRODUCT SPECIFICATION: PS-44915-003
4. PACKAGING SPECIFICATION:
   ALL PARTS ARE BULK PACKED PER MOLEX PACKAGING
   SPECIFICATION PK-44915-003.
5. FOR USE WITH 22 TO 28 AWG SOLID OR STRANDED
   CONDUCTORS WITH AN INSULATION O.D. RANGE OF .037/0.94 -
   .042/1.07 AND A JACKET O.D. OF .217/5.5 - .256/6.5.
6. EIGHT CONDUCTOR MODULAR PLUG CONFORMS TO F.C.C.
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7. PLUG REQUIRES THE LOAD BAR.
8. ALL UNTOLERANCED DIMENSIONS ARE FOR REFERENCE ONLY.
9. PLUG EXCEEDS CATEGORY 5 EIA/TIA 2840, ANNEX B
   SPECIFICATION, PERFORMANCE TUNED TO CABLES MEETING
   PROPOSED CATEGORY 6 SPECIFICATIONS.
10. THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT
    TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF
    DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL
    MAY CONTAIN PRODUCT WITH TIN-LEAD IN THE SHIELD.
11. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
    COSMETIC SPECIFICATION PS-45499-002.

MATERIAL NUMBER	MOLEX LOGO	STRAIN RELIEF
449150011	YES	NO
449150012	NO	NO
449150021	YES	YES
449150022	NO	YES

UPDATE NOTE 2 & 5 — 2007/01/29
EC NO: UCP2007-1736 — 2007/01/30
DRWN: JBELL
CHKD: LSCHMIDT — 2007/02/01
APPR: FSMITH
DESCRIPTION
REV
A5

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY	MARGULIS	DATE 01/01/12
CHECKED BY	MARGULIS	DATE 01/01/12
APPROVED BY	COMERCI	DATE 01/01/12

TITLE: RJ-45 PLUG FOR PROPOSED CAT 6 SPECIFICATIONS

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-44915-001
SHEET NO.: 2 OF 2
SIZE: B

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