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Part Number: [0432028116](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Low Profile, 8/6

Documents:

3D Model	Product Specification PS-43202-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	43202
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
Flammability	94V-0
Inverted / Top Latch	No
Keying to Mating Part	None
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
Panel Mount	Without Flange
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
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Ports	1
Positions / Loaded Contacts	8/6
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No

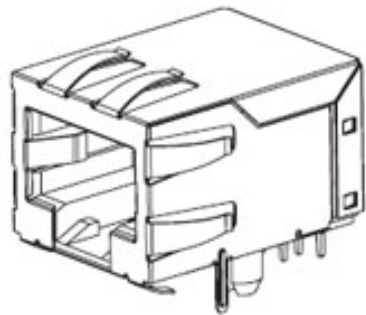


image - Reference only

Series

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
[43202Series](#)

Mates With
FCC 68 Plugs

Wire/Cable Type	N/A
Electrical	
Current - Maximum per Contact	1.5A
Grounding to PCB	No
Grounding to Panel	None
Shielded	No
Voltage - Maximum	150V AC (RMS)
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Old Part Number	A432028116
Reference - Drawing Numbers	
Packaging Specification	PK-43202-003
Product Specification	PS-43202-001, RPS-43202-002
Sales Drawing	SDA-43202

This document was generated on 06/07/2010

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NOTES:

1) MATERIAL:

HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: SEE SHEETS 5 AND 6
INSULATOR: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: SEE SHEETS 5 AND 6
TERMINALS: PHOSPHOR BRONZE, .012/ 0.30 THICK
SHIELD: BRASS, .007/ 0.18 THICK

2) FINISH:

TERMINALS:

A = SELECT GOLD IN CONTACT AREA: 50 MICROINCHES / 1.27 MICROMETERS MIN.,
*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES / 2.54 MICROMETERS MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES / 1.27 MICROMETERS MIN.
B = SELECT GOLD IN CONTACT AREA: 30 MICROINCHES / 0.76 MICROMETERS MIN.,
*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES / 2.54 MICROMETERS MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES / 1.27 MICROMETERS MIN.
*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 PC TAILS AND/OR SHIELD.

SHIELD:

100 MICROINCHES / 2.54 MICROMETERS NICKEL OVER 50 MICROINCHES / 1.27
MICROMETERS COPPER UNDERPLATE PCB GROUND TABS DIPPED IN TIN

3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43202.

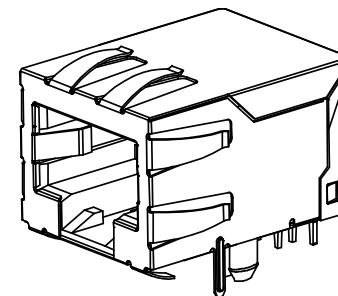
4) PACKAGING SPECIFICATION:

UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS
PER MOLEX PACKAGING SPECIFICATION PK-43202-003.
UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN TUBES
PER MOLEX PACKAGING SPECIFICATION PK-43202-005.
SHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS
PER MOLEX PACKAGING SPECIFICATION PK-43202-004.

5) SEE SHEETS 7 - 9 FOR P.C. BOARD LAYOUTS.

6) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.

7) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.



SHIELDED MODULAR JACK
SHOWN WITH PANEL GROUND
OPTION 'D' AND FRONT
PCB GROUND TABS.

DRAWING LEGEND

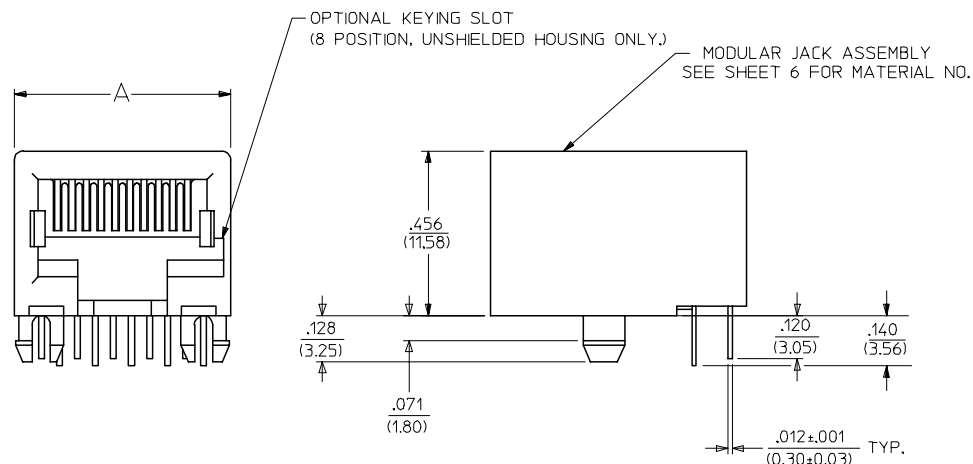
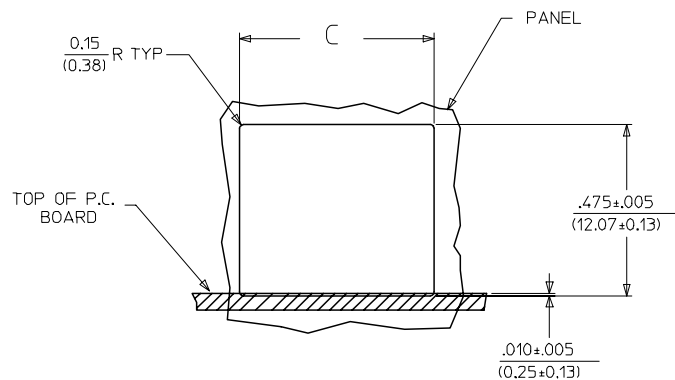
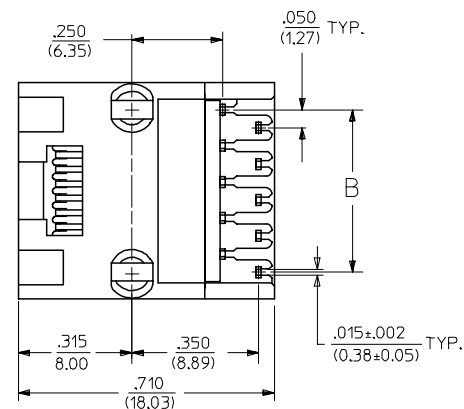
SHEET 1- NOTES, DRAWING LEGEND
SHEET 2- SHIELDED MODULAR JACK W/ BOTTOM GROUND TABS
SHEET 3- SHIELDED MODULAR JACK W/O BOTTOM GROUND TABS
SHEET 4- UNSHIELDED MODULAR JACK
SHEET 5- PART NUMBER CHARTS
SHEET 6- PART NUMBER CHARTS
SHEET 7- FOOTPRINT LAYOUT FOR 4 POSITION HOUSING
SHEET 8- FOOTPRINT LAYOUT FOR 6 POSITION HOUSING
SHEET 9- FOOTPRINT LAYOUT FOR 8 POSITION HOUSING

OBS COLORED JACKS EC NO: UCP2008-1189 DRAWN:JBELL 2007/11/30 CHKD:LSCHMIDT 2008/02/20 APPR:FSM/TH 2008/03/04	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY JTR		DATE 1993/03/31		TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED			
			4 PLACES	±---	±---	CHECKED BY JTR		DATE 1993/03/31					
			3 PLACES	±---	±.010	APPROVED BY RAS		DATE 1993/03/31					
			2 PLACES	±0.25	±.014								
			1 PLACE	±0.36	±---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			ANGULAR ±1/2°			SEE SHTS 5&6		SDA-43202		1 OF 9			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9	L2
8	L2
7	L2
6	L4
5	L
4	K2
3	L1
2	L1
1	L4
SH	REV

UNSHIELDED MODULAR JACKS

SIZE 8, LOADED 10 SHOWN

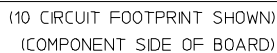
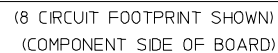


PANEL CUT-OUT (UNSHIELDED)

HOUSING SIZE	LOADED CIRCUITS	A	B	C
4	4	.440 (11.18)	.150±.005 (3.81±0.13)	.460±.005 (11.68±0.13)
4	2	.440 (11.18)	.050±.005 (1.27±0.13)	.460±.005 (11.68±0.13)
6	6	.520 (13.21)	.250±.005 (6.35±0.13)	.540±.005 (13.72±0.13)
6	4	.520 (13.21)	.150±.005 (3.81±0.13)	.540±.005 (13.72±0.13)
6	2	.520 (13.21)	.050±.005 (1.27±0.13)	.540±.005 (13.72±0.13)
8	10	.600 (15.24)	.450±.005 (11.43±0.13)	.620±.005 (15.75±0.13)
8	8	.600 (15.24)	.350±.005 (8.89±0.13)	.620±.005 (15.75±0.13)
8	6	.600 (15.24)	.250±.005 (6.35±0.13)	.620±.005 (15.75±0.13)
8	4	.600 (15.24)	.150±.005 (3.81±0.13)	.620±.005 (15.75±0.13)
8	2	.600 (15.24)	.050±.005 (1.27±0.13)	.620±.005 (15.75±0.13)

SEE SHEET ONE EC NO: UCP2004-1194 DRAWN: SCHMDT 2004/01/02 CHKD: SCHMDT 2004/01/05 APPR: FSMTH 2004/01/09 K2	DESCRIPTION	QUALITY SYMBOLS - 0 - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
				mm	INCH	DIMENSION STYLE IN/MM		TITLE			
			4 PLACES	± ---	± ---	DRAWN BY JTR	DATE 1993/03/31	ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY			
			3 PLACES	± ---	± .010	CHECKED BY	DATE				
			2 PLACES	± 0.25	± .014	JTR	1993/03/31	MOLEX MOLEX INCORPORATED			
			1 PLACE	± 0.36	± ---	APPROVED BY RAS	DATE 1993/03/31	MATERIAL NO. SEE SHT 6	DOCUMENT NO. SDA-43202	SHEET NO. 4 OF 9	
REV			DRAFT WHERE APPLICABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			MUST REMAIN WITHIN DIMENSIONS								

[illegible]



NOTES:
1. RECOMMENDED PCB THICKNESS: .062±.005/(1.57±0.13)

ADD PCB THICKNESS EC NO: UCP2005-2739 DRWNL: SCHMIDT 2005/06/20 CHKD: ELHAG 2005/06/22 APPR: FSMITH 2005/06/23	DESCRIPTION L2	QUALITY SYMBOLS <div>▼ - 0</div> <div>▽ - 0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
			mm	INCH	DIMENSION STYLE IN/MM		TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX MOLEX INCORPORATED				
			4 PLACES ± --- ± ---		DRAWN BY L.E.LENZ	DATE 1995/03/09					
			3 PLACES ± --- ± .010		CHECKED BY JTR	DATE 1995/03/09					
			2 PLACES ± 0.25 ± .014		APPROVED BY RAS	DATE 1995/03/09	MATERIAL NO. SEE SHTS 586	DOCUMENT NO. SDA-43202	SHEET NO. 9 OF 9		
			1 PLACE ± 0.36 ± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
					ANGULAR ± 1/2°						