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Part Number: [0432028808](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Low Profile, Shielded, No Panel Grounding Tabs, without Bottom Grounding Tab, Rear Position PCB Ground Tab, 8/10

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-43202-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E107635

General

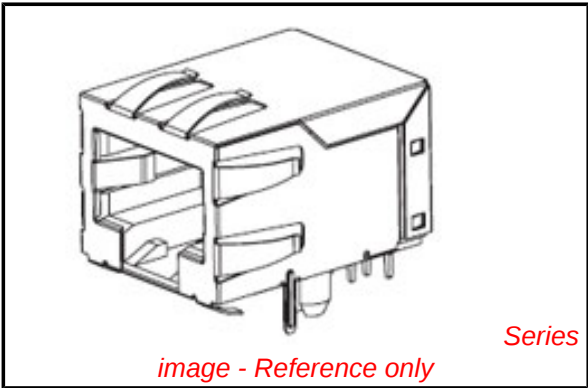
Product Family Modular Jacks/Plugs
Series [43202](#)
Component Type PCB Jack
Magnetic No
Overview [modular_plugs_jacks](#)
Performance Category 3
Power over Ethernet (PoE) N/A
Product Name RJ45

Physical

Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
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 Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.050 In
Pitch - Mating 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 8/10
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Through Hole
Wire/Cable Type N/A

Electrical

Current - Maximum per Contact 1.5A
Grounding to PCB Yes
Grounding to Panel None



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

Shielded
Voltage - Maximum

Yes
125V

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)

Material Info

Reference - Drawing Numbers

Packaging Specification
Product Specification
Sales Drawing

PK-43202-004
PS-43202-001, RPS-43202-002
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.

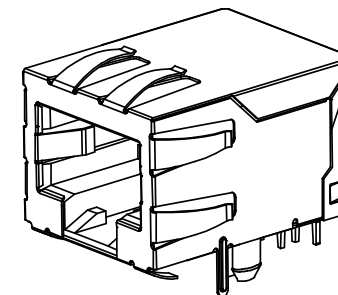
4) PACKAGING SPECIFICATION:

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

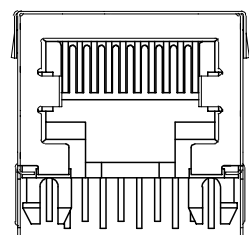
OBS COLORED JACKS EC NO: UCP2008-1189 DRAWN:JBELL 2007/11/30 CHKD:LSCHMIDT 2008/02/20 APPR:FSM/TH 2008/03/04	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	SHEET NO. 1 OF 9
				mm	INCH	DRAWN BY JTR	DATE 1993/03/31	TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED		
			4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	CHECKED BY JTR	DATE 1993/03/31				
			3 PLACES ± --- ± .010	2 PLACES ± 0.25 ± .014	APPROVED BY RAS	DATE 1993/03/31				
			2 PLACES ± 0.25 ± .014	1 PLACE ± 0.36 ± ---	MATERIAL NO.	DOCUMENT NO.				
			1 PLACE ± 0.36 ± ---	ANGULAR ±1/2°	SEE SHTS 5&6		SDA-43202			
			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

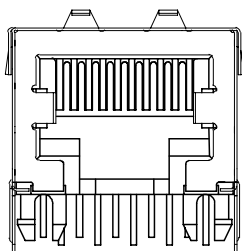
SHIELDED MODULAR JACK W/O BOTTOM GROUND TABS

SIZE 8, LOADED 10 VERSION SHOWN

SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



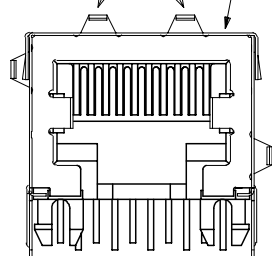
OPTION "E"
NO TOP OR SIDE TABS



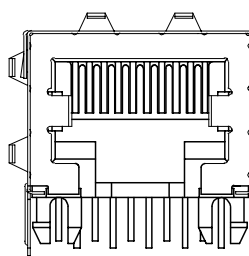
OPTION "F"
TOP TABS

OPTIONAL TOP GROUND TABS

SHIELDED MODULAR JACK ASSEMBLY
SEE SHEET 6 FOR MATERIAL NO.

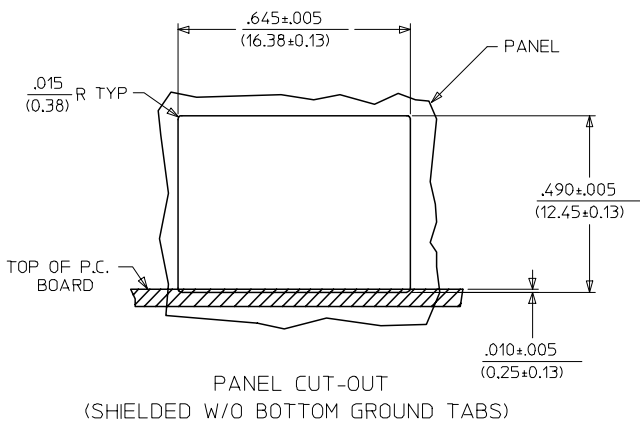


OPTION "G"
TOP AND STAGGERED SIDE TABS



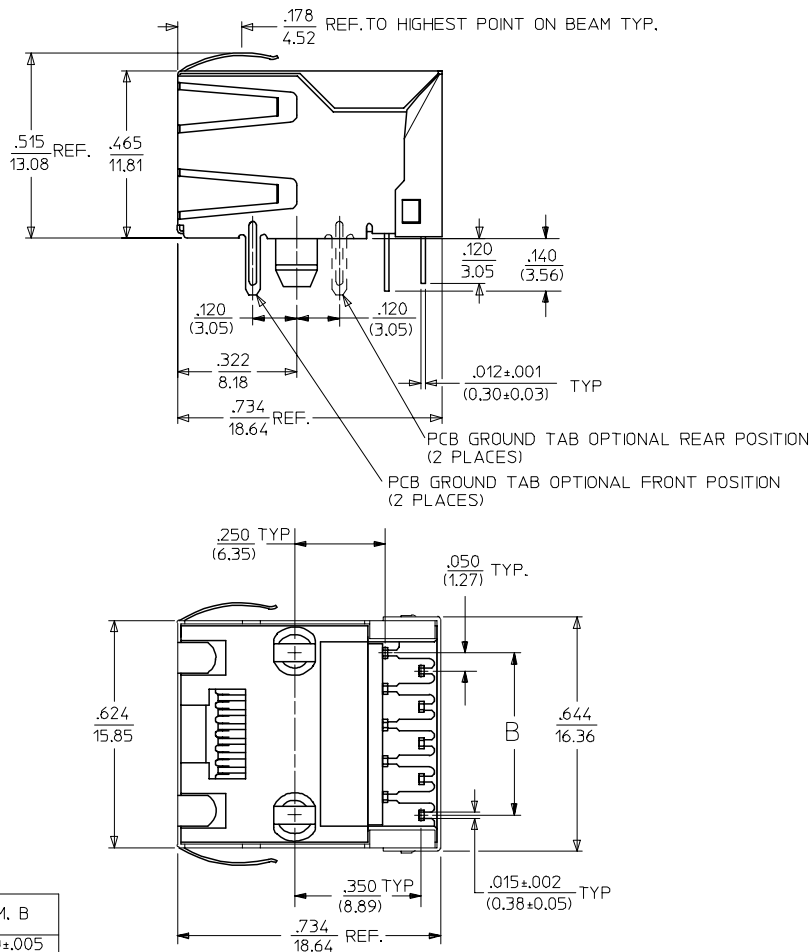
OPTION "H"
TOP AND SIDE TABS

OPTIONAL SIDE
GROUND TABS
(2 PLACES)



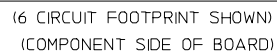
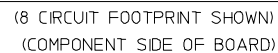
PANEL CUT-OUT
(SHIELDED W/O BOTTOM GROUND TABS)

HOUSING SIZE	CIRCUIT SIZE	DIM. B
8	10	.450±.005 (11.43±.13)
8	8	.350±.005 (8.89±.13)



SEE SHEET ONE EC NO: UCP2004-1888 DRAWN: SCHMIDT 2004/03/31 CHKD: SCHMIDT 2004/03/31 APPR: FSMITH 2004/03/31 L1	DESCRIPTION	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS INCH		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY				
						DIMENSION STYLE			TITLE					
						IN/MM			ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY					
				4 PLACES	± ---	± ---	DRAWN BY JTR		DATE 1993/03/31	MOLEX MOLEX INCORPORATED				
				3 PLACES	± ---	± .010	CHECKED BY		DATE					
				2 PLACES	± 0.25	± .014	JTR		1993/03/31					
				1 PLACE	± 0.36	± ---	APPROVED BY		DATE					
						ANGULAR ±1/2°			RAS		1993/03/31	MATERIAL NO. SEE SHT 6	DOCUMENT NO. SDA-43202	SHEET NO. 3 OF 9
						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								
	REV													

	13	12	11	10	9	8	7	6	5	4	3	2	1																																														
J	SHIELDED MODULAR JACKS W/O BOTTOM GROUND TABS (SHEET 3)							UNSHIELDED MODULAR JACKS- (SHEET 4)							J																																												
	ASSEMBLY MATERIAL NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	SIDE/TOP PANEL GROUND TAB OPTION	PCB GROUND TAB OPTION	TERMINAL PLATING OPTION	PACKAGING	HOUSING COLOR	ASSEMBLY MATERIAL NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	TERMINAL PLATING OPTION	KEYING OPTION	PACKAGING OPTION	HOUSING COLOR																																												
	43202-8800	8	10	E	FRONT POSITION	A	TRAY	BLACK	43202-4101	4	4	A	NO	TRAY	BLACK																																												
I	43202-8801	8	10	F	FRONT POSITION	A	TRAY		43202-4104	4	2	A	NO	TRAY																																													
	43202-8802	8	10	G	FRONT POSITION	A	TRAY		43202-6101	6	6	A	NO	TRAY																																													
	43202-8803	8	10	H	FRONT POSITION	A	TRAY		43202-6102	6	6	B	NO	TRAY																																													
	43202-8808	8	10	E	REAR POSITION	A	TRAY		43202-6104	6	4	A	NO	TRAY																																													
	43202-8809	8	10	F	REAR POSITION	A	TRAY		43202-6105	6	4	B	NO	TRAY																																													
	43202-8810	8	10	G	REAR POSITION	A	TRAY		43202-6107	6	2	A	NO	TRAY																																													
H	43202-8811	8	10	H	REAR POSITION	A	TRAY		43202-6110	6	6	B	NO	TUBE																																													
	43202-8816	8	8	E	FRONT POSITION	A	TRAY		43202-8101	8	10	A	NO	TRAY		H																																											
	43202-8817	8	8	F	FRONT POSITION	A	TRAY		43202-8104	8	8	A	NO	TRAY																																													
	43202-8818	8	8	G	FRONT POSITION	A	TRAY		43202-8105	8	8	B	NO	TRAY																																													
	43202-8819	8	8	H	FRONT POSITION	A	TRAY		43202-8113	8	8	A	YES	TRAY																																													
	43202-8824	8	8	E	REAR POSITION	A	TRAY		43202-8116	8	6	A	NO	TRAY																																													
	43202-8825	8	8	F	REAR POSITION	A	TRAY		43202-8119	8	4	A	NO	TRAY																																													
G	43202-8826	8	8	G	REAR POSITION	A	TRAY		43202-8122	8	2	A	NO	TRAY																																													
	43202-8827	8	8	H	REAR POSITION	A	TRAY		43202-8504	8	8	A	NO	TUBE		G																																											
									43202-8513	8	8	A	YES	TUBE																																													
F																F																																											
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C																C																																											
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A																A																																											
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Id_frame_C_P_ME_T Rev. E 2006/04/15	12	11	10	9	8	7	6	5	4	3	2	1																																															



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

ADD PCB THICKNESS