

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0432028917](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Low Profile, Shielded, Top Panel Grounding Tabs, with Bottom Grounding Tab, Front Position PCB Ground Tab, 8/8

Documents:

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

Agency Certification

CSA	LR19980
UL	E107635

General

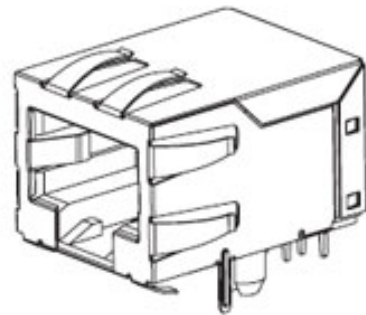
Product Family	Modular Jacks/Plugs
Series	43202
Comments	Enhanced panel grounding tabs
Component Type	PCB Jack
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45

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
Panel Mount	Without Flange
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	8/8
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
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Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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

Grounding to PCB	Yes
Grounding to Panel	Top Panel Ground Tabs
Shielded	Yes
Voltage - Maximum	125V
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	
Packaging Specification	PK-43202-004
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.

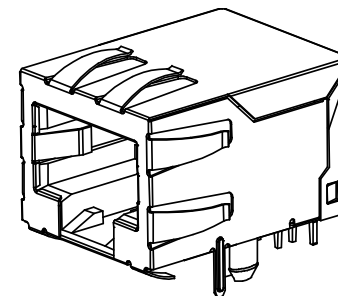
4) PACKAGING SPECIFICATION:

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

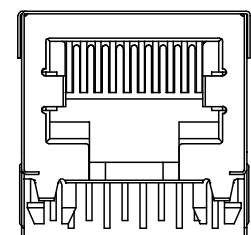
OBS COLORED JACKS EC NO: UCP2008-1189 DRAWN:JBELL 2007/11/30 CHKD:LSCHMIDT 2008/02/20 APPR:FSM/TH 2008/03/04	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY JTR	DATE 1993/03/31	TITLE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

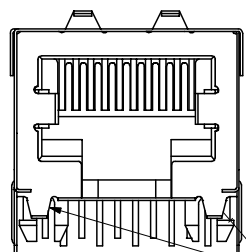
SHIELDED MODULAR JACK W/BOTTOM GROUND TABS

SIZE 8 LOADED 10 VERSION SHOWN

SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



OPTION "A"
NO TOP OR SIDE TABS

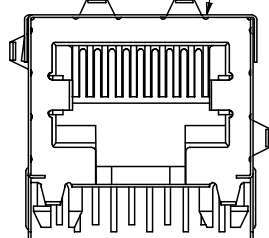


OPTION "B"
TOP TABS

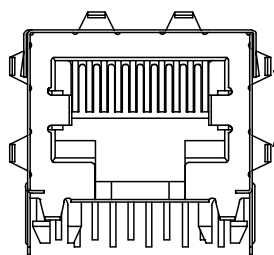
BOTTOM
GROUND TABS

OPTIONAL TOP GROUND TABS

SHIELDED MODULAR JACK ASSEMBLY
SEE SHEET 5 FOR MATERIAL NO.

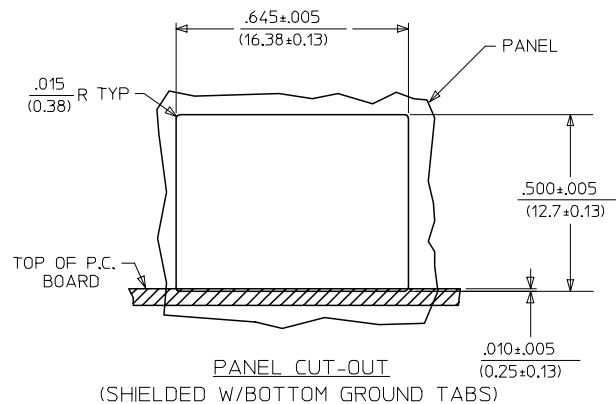
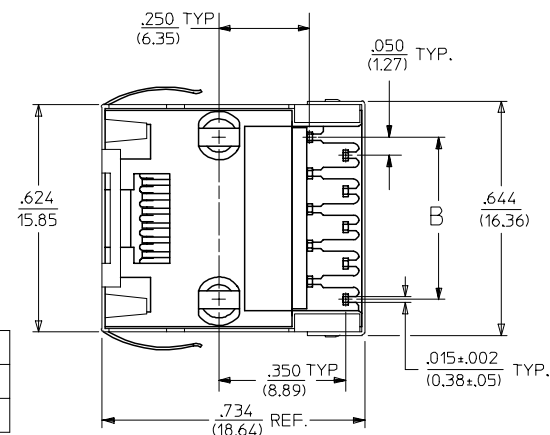
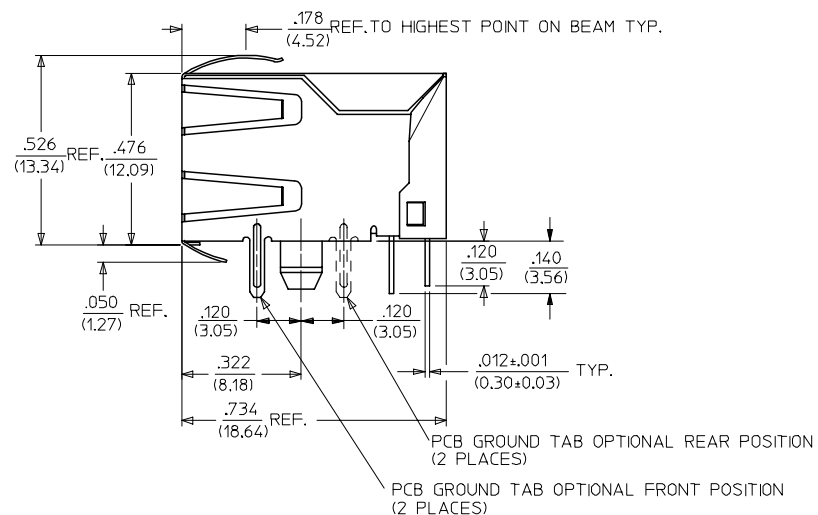


OPTION "C"
TOP AND STAGGERED SIDE TABS



OPTION "D"
TOP AND SIDE TABS

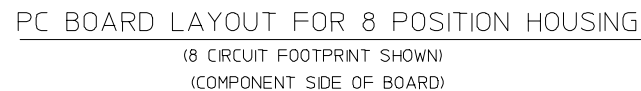
OPTIONAL SIDE
GROUND TABS
(2 PLACES)



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

SEE SHEET ONE FC NO: UCP2004-1888 DRAWN: SCHMIDT 2004/03/31 CHKD: SCHMIDT 2004/03/31 APPR: FSMITH 2004/03/31 REV L1	QUALITY SYMBOLS -0 -0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 4:1 DESIGN UNITS INCH DIMENSION STYLE IN/MM DRAWN BY JTR DATE 1993/03/31 CHECKED BY JTR DATE 1993/03/31 APPROVED BY RAS DATE 1993/03/31	THIRD ANGLE PROJECTION REVISE ON CAD ONLY TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED MATERIAL NO. SEE SHT 5 DOCUMENT NO. SDA-43202 SHEET NO. 2 OF 9

	13	12	11	10	9	8	7	6	5	4	3	2	43202																																																														
J	SHIELDED MODULAR JACKS W/BOTTOM GROUND TABS (SHEET 2)														J																																																												
	ASSEMBLY MATERIAL NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	SIDE/TOP PANEL GROUND TAB OPTION	PCB GROUND TAB OPTION	TERMINAL PLATING OPTION	PACKAGING OPTION	HOUSING COLOR																																																																			
I	43202-8900	8	10	A	FRONT POSITION	A	TRAY	BLACK																																																																			
	43202-8901	8	10	B	FRONT POSITION	A	TRAY																																																																				
	43202-8902	8	10	C	FRONT POSITION	A	TRAY																																																																				
	43202-8903	8	10	D	FRONT POSITION	A	TRAY																																																																				
	43202-8908	8	10	A	REAR POSITION	A	TRAY																																																																				
H	43202-8909	8	10	B	REAR POSITION	A	TRAY																																																																				
	43202-8910	8	10	C	REAR POSITION	A	TRAY																																																																				
	43202-8911	8	10	D	REAR POSITION	A	TRAY																																																																				
	43202-8916	8	8	A	FRONT POSITION	A	TRAY																																																																				
	43202-8917	8	8	B	FRONT POSITION	A	TRAY																																																																				
G	43202-8918	8	8	C	FRONT POSITION	A	TRAY																																																																				
	43202-8919	8	8	D	FRONT POSITION	A	TRAY																																																																				
	43202-8924	8	8	A	REAR POSITION	A	TRAY																																																																				
	43202-8925	8	8	B	REAR POSITION	A	TRAY																																																																				
	43202-8926	8	8	C	REAR POSITION	A	TRAY																																																																				
	43202-8927	8	8	D	REAR POSITION	A	TRAY																																																																				
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tb_frame_C_P_ME_T Rev. C 2002/05/05	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 EC NO: UCP2005-2739 DRAWN: SCHMIDT 2005/06/20 CHKD: ELHAG 2005/06/22 APPR: FSMTH 2005/06/23	DESCRIPTION	QUALITY SYMBOLS	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						
			4 PLACES	± ---	± ---	DRAWN BY	DATE							
			3 PLACES	± ---	± .010	L.E.LENZ	1995/03/09							
			2 PLACES	± 0.25	± .014	CHECKED BY	DATE							
						1 PLACE	± 0.36	± ---	JTR	1995/03/09	MOLEX MOLEX INCORPORATED			
						ANGULAR ±1/2°			APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
						DRAFT WHERE APPLICABLE			RAS	1995/03/09	SEE SHTS 5&6		SDA-43202	9 OF 9
						MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					