

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0432028916

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Right Angle, Low Profile, Shielded, No Panel Grounding Tabs, with Bottom Grounding Tab, Front Position PCB Ground Tab, 8/8

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

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

With 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

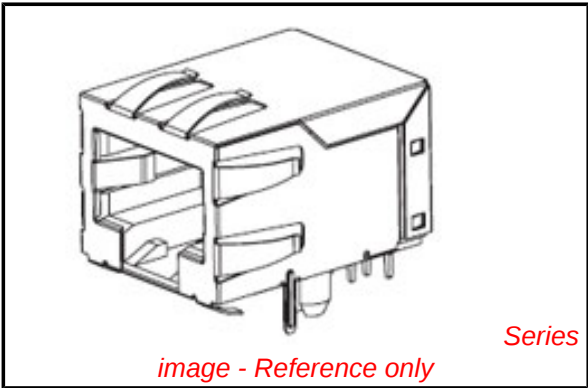
Wire/Cable Type

N/A

Electrical

Current - Maximum per Contact

1.5A



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

43202Series

Mates With

FCC 68 Plugs

Grounding to PCB	Yes
Grounding to Panel	None
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

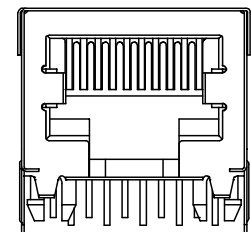
OBS COLORED JACKS EC NO: UCP2008-1189 DRAWN:JBELL 2007/11/30 CHKD:LSCHMIDT 2008/02/20 APPR:FSM/TH 2008/03/04	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY JTR	DATE 1993/03/31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

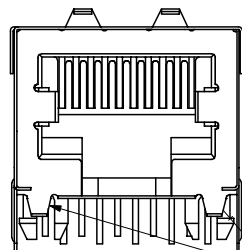
SHIELDED MODULAR JACK W/BOTTOM GROUND TABS

SIZE 8 LOADED 10 VERSION SHOWN

SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



OPTION "A"
NO TOP OR SIDE TABS

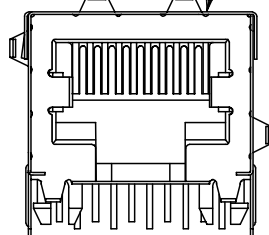


OPTION "B"
TOP TABS

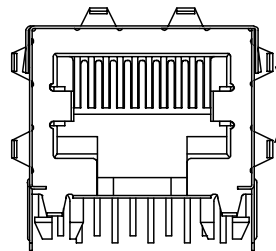
BOTTOM
GROUND TABS

OPTIONAL TOP GROUND TABS

SHIELDED MODULAR JACK ASSEMBLY
SEE SHEET 5 FOR MATERIAL NO.

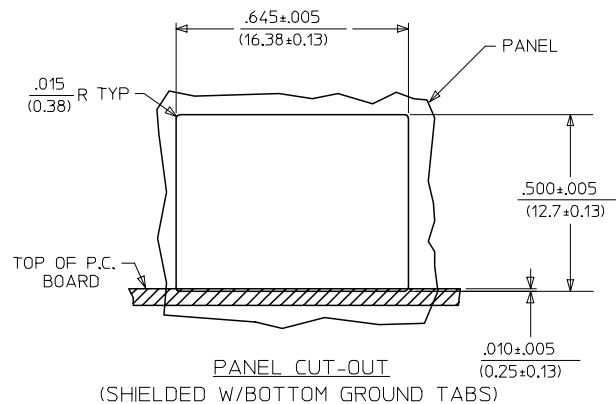
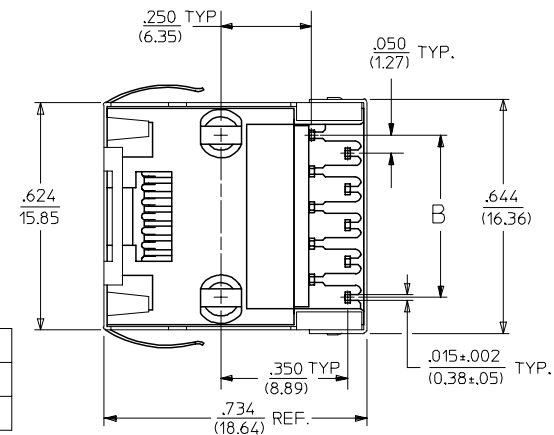
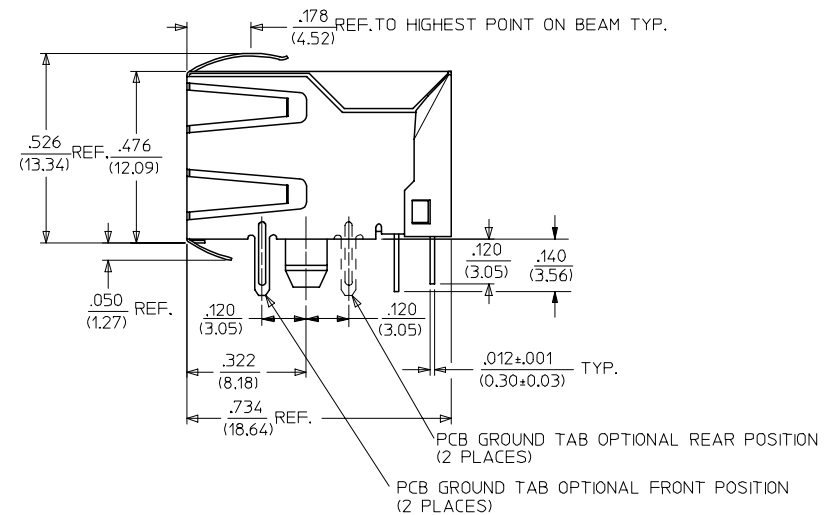


OPTION "C"
TOP AND STAGGERED SIDE TABS



OPTION "D"
TOP AND SIDE TABS

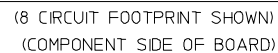
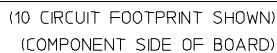
OPTIONAL SIDE
GROUND TABS
(2 PLACES)



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

ADD PCB THICKNESS EC NO: UCP2005-2739 DRWNL: SCHMDT 2005/06/20 CHKD: ELHAG 2005/06/22 APPR: FSMTH 2005/06/23	DESCRIPTION L2	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 ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	DRAWN BY L.ELENZ	DATE 1995/03/09			
			3 PLACES	± ---	± .010	CHECKED BY	DATE 1995/03/09			
			2 PLACES	± 0.25	± .014	APPROVED BY RAS	DATE 1995/03/09			
			1 PLACE	± 0.36	± ---	MATERIAL NO. SEE SHTS 586		DOCUMENT NO. SDA-43202		SHEET NO. 9 OF 9
			ANGULAR		± 1/2°					
DRAFT WHERE APPLICABLE										
MUST REMAIN WITHIN DIMENSIONS										
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