

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0432024101

Status:

Active

Description:

Modular Jack, Right Angle, Low Profile, 4/4

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

Performance Category

3, 4

Power over Ethernet (PoE)

N/A

Product Name

N/A

Physical

Color - Resin

Black

Durability (mating cycles max)

500

Flammability

94V-0

Inverted / Top Latch

No

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 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

4/4

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

Shielded

No

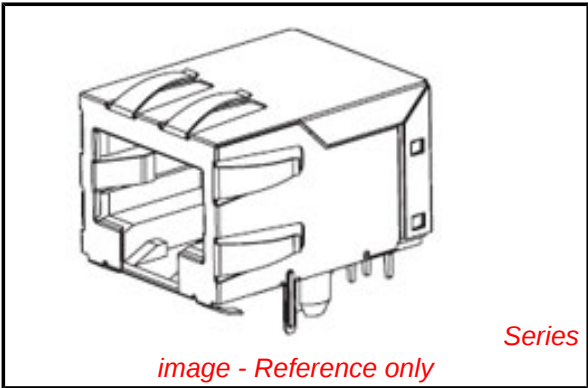
Voltage - Maximum

125V

Solder Process Data

Duration at Max. Process Temperature (seconds)

5



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

Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Old Part Number	A432024101
-----------------	------------

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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.

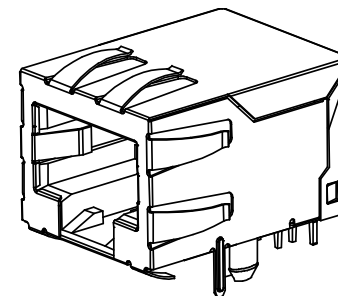
4) PACKAGING SPECIFICATION:

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 CONFROMS 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

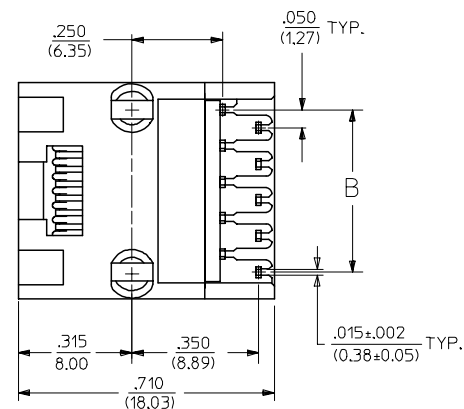
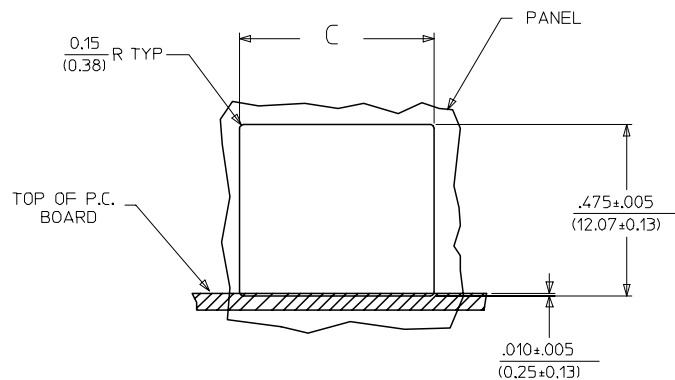
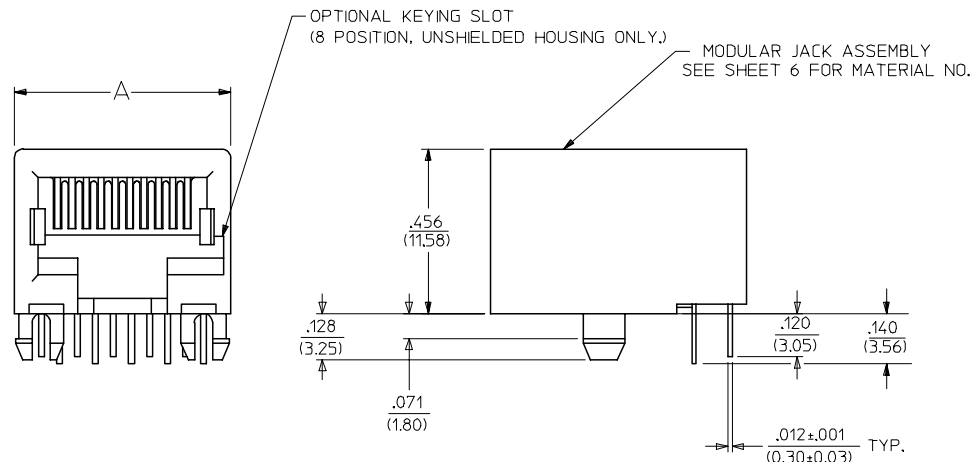
SHEET 1- NOTES, DRAWING LEGEND
SHEET 2- SHIELDED MODULAR JACK W/ BOTTOM GROUND TABS
SHEET 3- SHIELDED MODULAR JACK W/O BOTTOM GROUND TABS
SHEET 4- UNSHIELDED MODULAR JACK
SHEET 5- PART NUMBER CHARTS
SHEET 6- PART NUMBER CHARTS
SHEET 7- FOOTPRINT LAYOUT FOR 4 POSITION HOUSING
SHEET 8- FOOTPRINT LAYOUT 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		
			3 PLACES	±---	±.010	APPROVED BY RAS	DATE 1993/03/31		
			2 PLACES	±0.25	±.014	MOLEX INCORPORATED			
			1 PLACE	±0.36	±---				
			ANGULAR ±1/2°		MATERIAL NO. SEE SHTS 5&6		DOCUMENT NO. SDA-43202	SHEET NO. 1 OF 9	
			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				

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

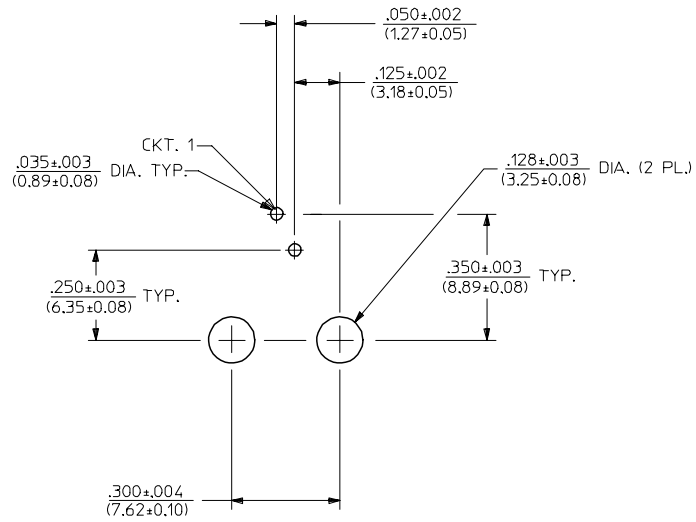
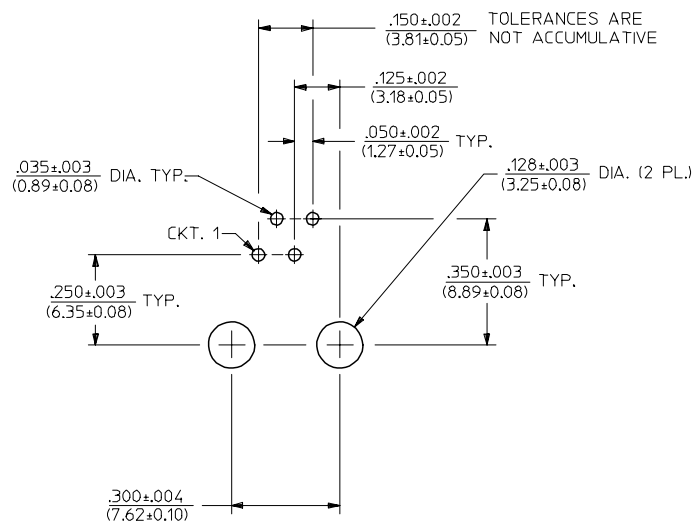


PANEL CUT-OUT (UNSHIELDED)

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

	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	
	43202-8801	8	10	F	FRONT POSITION	A	TRAY		43202-4104	4	2	A	NO	TRAY		
I	43202-8802	8	10	G	FRONT POSITION	A	TRAY		43202-6101	6	6	A	NO	TRAY		I
	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		H
	43202-8816	8	8	E	FRONT POSITION	A	TRAY		43202-8101	8	10	A	NO	TRAY		
	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		G
	43202-8827	8	8	H	REAR POSITION	A	TRAY		43202-8504	8	8	A	NO	TUBE		
								43202-8513	8	8	A	YES	TUBE			
F															F	
E															E	
D															D	
C															C	
B															B	
A															A	



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

ADD PCB THICKNESS EC NO: UCP2005-2739 DRWN:LSCHMDT 2005/06/20 CHKD:ELHAG 2005/06/22 APPR:FSMITH 2005/06/23 L2	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				
		▽-0	4 PLACES	± ---	± ---	DRAWN BY JTR	DATE 1993/03/31	ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY				
			3 PLACES	± ---	± .010	CHECKED BY JTR	DATE 1993/03/31					
		▽-0	2 PLACES	± 0.25	± .014	APPROVED BY RAS		DATE 1993/03/31	MATERIAL NO. SEE SHT 6		DOCUMENT NO. SDA-43202	SHEET NO. 7 OF 9
			1 PLACE	± 0.36	± ---			MOLEX INCORPORATED				
			ANGULAR		±1/2°							
		DRAFT WHERE APPLICABLE										
MUST REMAIN WITHIN DIMENSIONS												