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Part Number: [0432024104](#)
Status: **Active**
Description: Modular Jack, Right Angle, Low Profile, 4/2

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
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	4/2
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

Lead-free Process Capability	Wave Capable (TH only)
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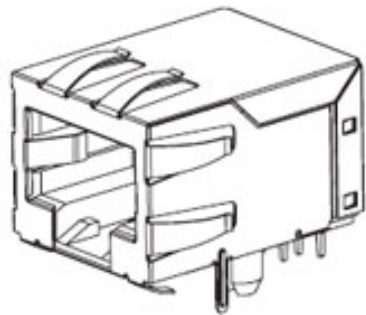


image - Reference only

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

Material Info

Old Part NumberA432024104

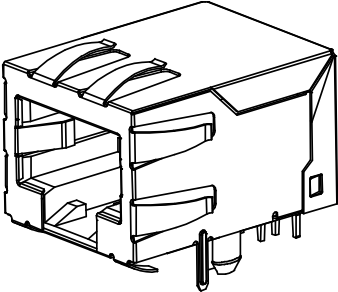
Reference - Drawing Numbers

Packaging SpecificationPK-43202-003
Product SpecificationPS-43202-001, RPS-43202-002
Sales DrawingSDA-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 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

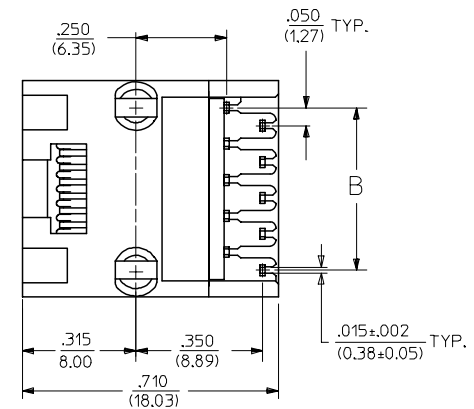
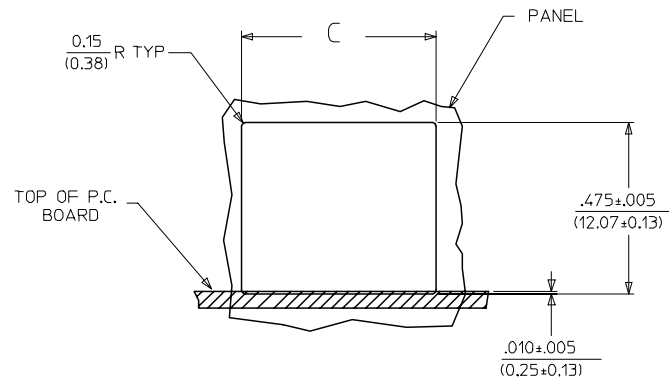
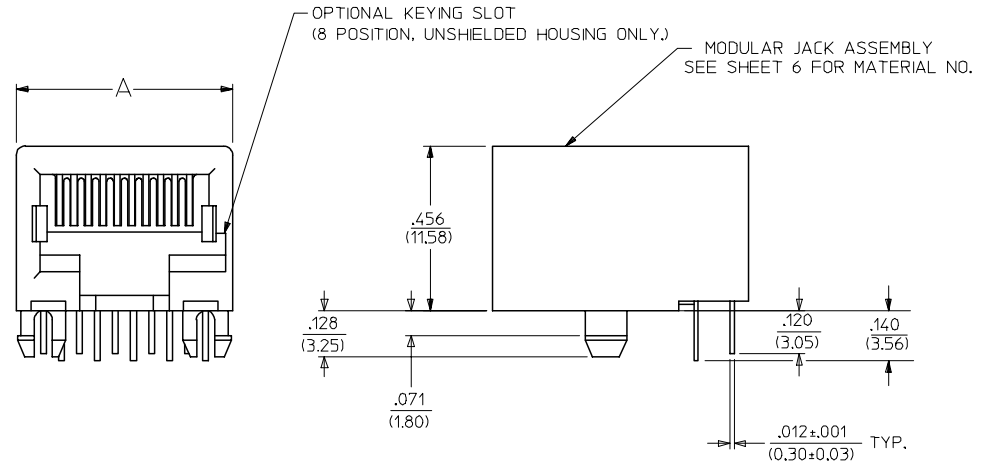
- SHEET 1- NOTES, DRAWING LEGEND
SHEET 2- SHIELDED MODULAR JACK W/ BOTTOM GROUND TABS
SHEET 3- SHIELDED MODULAR JACK W/O BOTTOM GROUND TABS
SHEET 4- UNSHIELDED MODULAR JACK
SHEET 5- PART NUMBER CHARTS
SHEET 6- PART NUMBER CHARTS
SHEET 7- FOOTPRINT LAYOUT FOR 4 POSITION HOUSING
SHEET 8- FOOTPRINT LAYOUT 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	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED	DOCUMENT NO. SDA-43202	SHEET NO. 1 OF 9
				mm	INCH	DRAWN BY JTR	DATE 1993/03/31					
			4 PLACES	± ---	± ---	CHECKED BY	DATE 1993/03/31					
			3 PLACES	± ---	± .010	JTR	1993/03/31					
			2 PLACES	± 0.25	± .014	APPROVED BY	DATE 1993/03/31					
			1 PLACE	± 0.36	± ---	RAS	1993/03/31					
			ANGULAR ± 1/2°									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SIZE					
					SEE SHTS 5&6		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

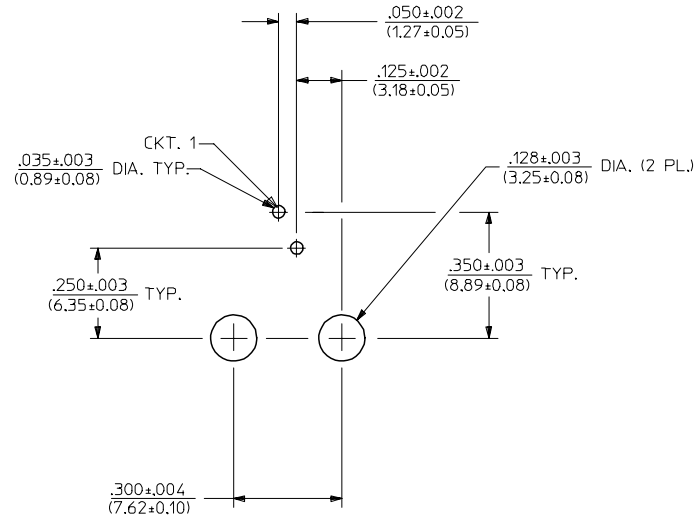
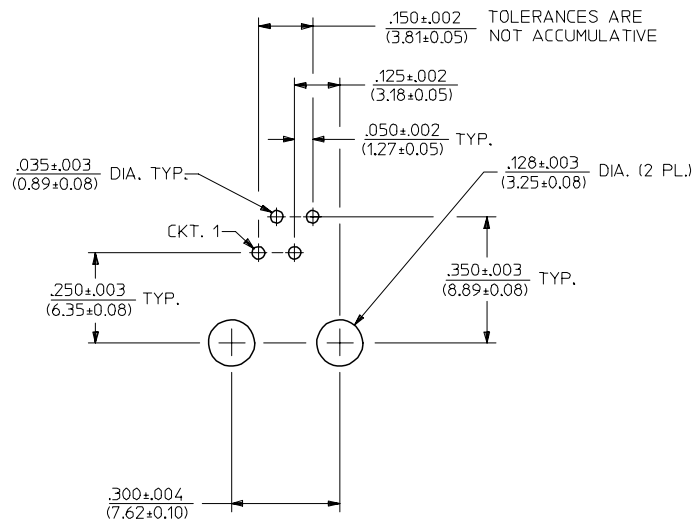


PANEL CUT-OUT (UNSHIELDED)

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: FSMITH 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		
					DIMENSION STYLE		TITLE				
					IN/MM		ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY				
			4 PLACES ± --- ± ---		DRAWN BY DATE		MOLEX MOLEX INCORPORATED				
			3 PLACES ± --- ± .010		JTR 1993/03/31						
			2 PLACES ± 0.25 ± .014		CHECKED BY DATE						
1 PLACE ± 0.36 ± ---		JTR 1993/03/31		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
ANGULAR ±1/2°				APPROVED BY DATE		SEE SHT 6		SDA-43202		4 OF 9	
RAS 1993/03/31											
DRAFT WHERE APPLICABLE											
MUST REMAIN WITHIN DIMENSIONS											

	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		
	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		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		
	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		G
									43202-8513	8	8	A	YES	TUBE		
F																F
E																E
D																D
C																C
B																B
A																A
OBS COLORED JACKS EC NO: UCP2008-1189 DRWN:JBELL CHKD:LSCHMIDT APPR:FSM:TH 2007/11/30 2008/02/20 2008/03/04 DESCRIPTION REV 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 DIMENSION STYLE IN/MM DRAWN BY DATE JBS 2000/10/03 CHECKED BY DATE BW 2000/10/03 APPROVED BY DATE BW 2000/10/03 MATERIAL NO. SEE CHART SCALE 4:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY  MOLEX INCORPORATED DOCUMENT NO. SDA-43202 SHEET NO. 6 OF 9 SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	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 DRWN:LSCHMDT 2005/06/20 CHKD:ELHAG 2005/06/22 APPR:FSMITH 2005/06/23 REV 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 ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED				
			4 PLACES	±.005	±.005	DRAWN BY JTR	DATE 1993/03/31					
			3 PLACES	±.010	±.010	CHECKED BY JTR	DATE 1993/03/31					
			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	±.014	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			ANGULAR ±1/2°									
			DRAFT WHERE APPLICABLE									
MUST REMAIN WITHIN DIMENSIONS												