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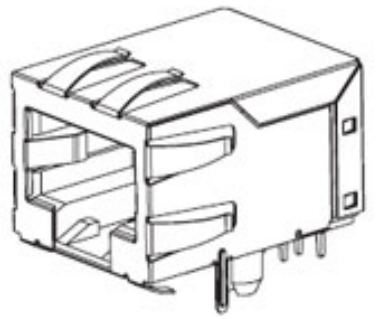
This document was generated on 06/07/2010

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)



Series image - Reference only

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

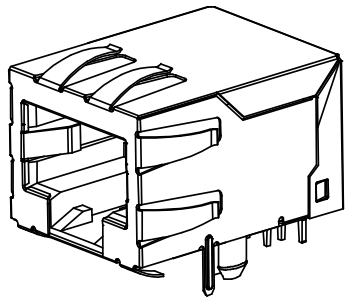
Reference - Drawing Numbers

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

REV	DESCRIPTION	
L4	OBS COLORED JACKS	
	EC NO: UCP2008-1189	
	DRWN: JBELL	2007/11/30
	CH'KD: LSCHMIDT	2008/02/20
	APPR: FSMITH	2008/03/04

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
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: JTR DATE: 1993/03/31
CHECKED BY: JTR DATE: 1993/03/31
APPROVED BY: RAS DATE: 1993/03/31

TITLE: ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY

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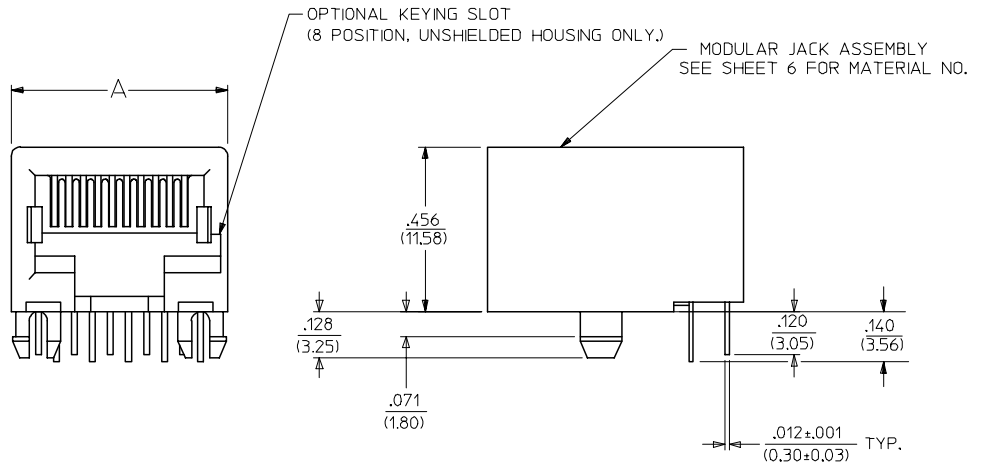
MATERIAL NO.: SEE SHTS 5&6
DOCUMENT NO.: SDA-43202
SHEET NO.: 1 OF 9
SIZE: C

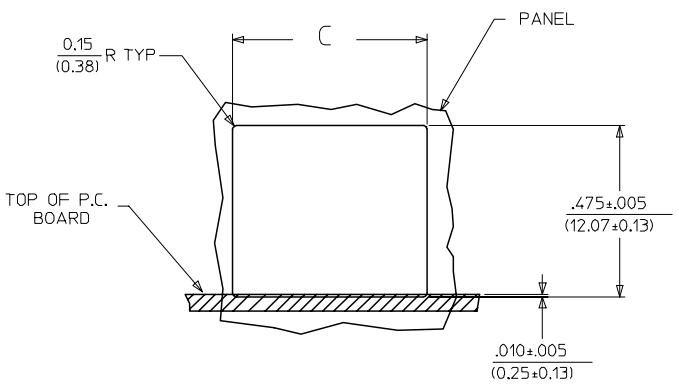
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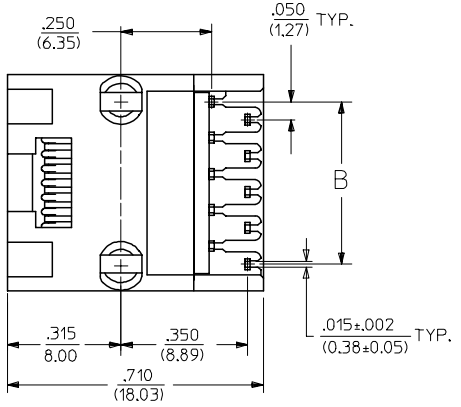
SH	REV
9	L2
8	L2
7	L2
6	L4
5	L
4	K2
3	L1
2	L1
1	L4

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
DRWN: LSCHMDT 2004/01/02
CHKD: LSCHMDT 2004/01/05
APPR: FSMITH 2004/01/09
DESCRIPTION
REV
K2

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	DESIGN UNITS
4:1	INCH

THIRD ANGLE PROJECTION | REVISE ON CAD ONLY

DIMENSION STYLE: IN/MM

DRAWN BY	DATE
JTR	1993/03/31
CHECKED BY	DATE
JTR	1993/03/31
APPROVED BY	DATE
RAS	1993/03/31

TITLE: ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY

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MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE SHT 6	SDA-43202	4 OF 9

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C

SHIELDED MODULAR JACKS W/O BOTTOM GROUND TABS (SHEET 3)

ASSEMBLY MATERIAL NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	SIDE/TOP PANEL GROUND TAB OPTION	PCB GROUND TAB OPTION	TERMINAL PLATING OPTION	PACKAGING	HOUSING COLOR
43202-8800	8	10	E	FRONT POSITION	A	TRAY	BLACK
43202-8801	8	10	F	FRONT POSITION	A	TRAY	
43202-8802	8	10	G	FRONT POSITION	A	TRAY	
43202-8803	8	10	H	FRONT POSITION	A	TRAY	
43202-8808	8	10	E	REAR POSITION	A	TRAY	
43202-8809	8	10	F	REAR POSITION	A	TRAY	
43202-8810	8	10	G	REAR POSITION	A	TRAY	
43202-8811	8	10	H	REAR POSITION	A	TRAY	
43202-8816	8	8	E	FRONT POSITION	A	TRAY	
43202-8817	8	8	F	FRONT POSITION	A	TRAY	
43202-8818	8	8	G	FRONT POSITION	A	TRAY	
43202-8819	8	8	H	FRONT POSITION	A	TRAY	
43202-8824	8	8	E	REAR POSITION	A	TRAY	
43202-8825	8	8	F	REAR POSITION	A	TRAY	
43202-8826	8	8	G	REAR POSITION	A	TRAY	
43202-8827	8	8	H	REAR POSITION	A	TRAY	

UNSHIELDED MODULAR JACKS- (SHEET 4)

ASSEMBLY MATERIAL NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	TERMINAL PLATING OPTION	KEYING OPTION	PACKAGING OPTION	HOUSING COLOR
43202-4101	4	4	A	NO	TRAY	BLACK
43202-4104	4	2	A	NO	TRAY	
43202-6101	6	6	A	NO	TRAY	
43202-6102	6	6	B	NO	TRAY	
43202-6104	6	4	A	NO	TRAY	
43202-6105	6	4	B	NO	TRAY	
43202-6107	6	2	A	NO	TRAY	
43202-6110	6	6	B	NO	TUBE	
43202-8101	8	10	A	NO	TRAY	
43202-8104	8	8	A	NO	TRAY	
43202-8105	8	8	B	NO	TRAY	
43202-8113	8	8	A	YES	TRAY	
43202-8116	8	6	A	NO	TRAY	
43202-8119	8	4	A	NO	TRAY	
43202-8122	8	2	A	NO	TRAY	
43202-8504	8	8	A	NO	TUBE	
43202-8513	8	8	A	YES	TUBE	

OBS COLORED JACKS
EC NO: UCP2008-1189 2007/11/30
DRWN: JBELL 2008/02/20
CH'KD: LSCHMIDT 2008/03/04
APPR: FSMITH
DESCRIPTION
REV
L4

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
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

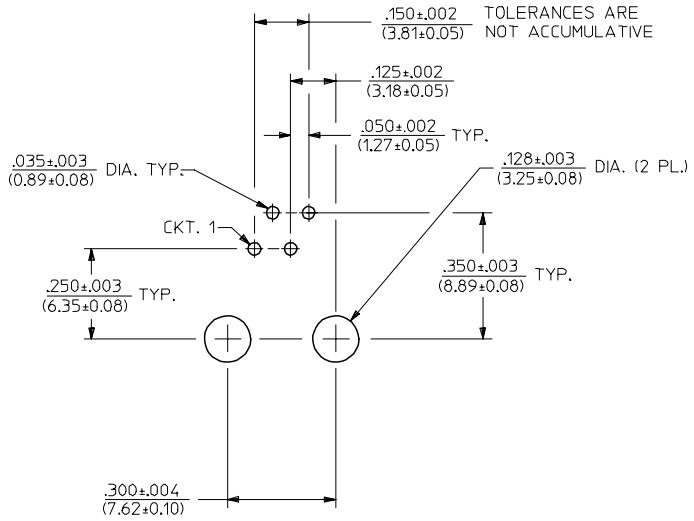
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CHECKED BY: BW DATE: 2000/10/03
APPROVED BY: BW DATE: 2000/10/03

TITLE: ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY

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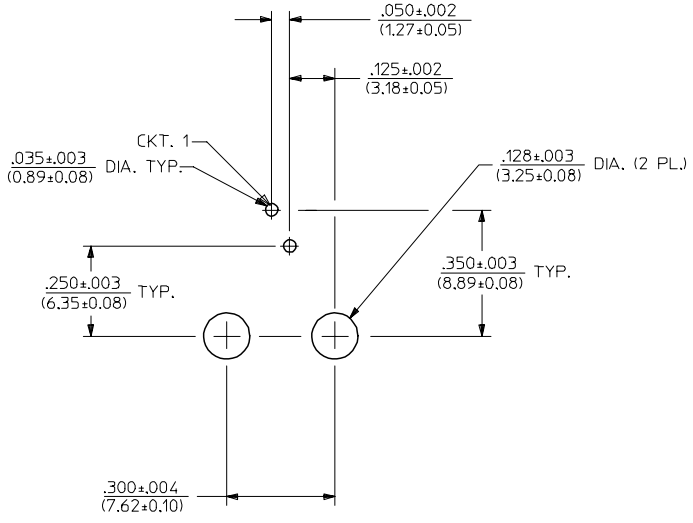
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-43202
SHEET NO.: 6 OF 9
SIZE: C

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PC BOARD LAYOUT FOR 4 POSITION HOUSING

(4 CIRCUIT FOOT PRINT SHOWN)
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR 4 POSITION HOUSING

(2 CIRCUIT FOOT PRINT SHOWN)
(COMPONENT SIDE OF BOARD)

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

ADD PCB THICKNESS
EC NO: UCP2005-2739
DRWN:LSCHMIDT 2005/06/20
CHKD:ELHAG 2005/06/22
APPR:FSMITH 2005/06/23
DESCRIPTION
L2
REV

QUALITY SYMBOLS
▼ - 0
▽(C) - 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
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
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

TITLE: ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY

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MATERIAL NO. SEE SHT 6
DOCUMENT NO. SDA-43202
SHEET NO. 7 OF 9

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