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Part Number:

0432028926

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Right Angle, Low Profile, Shielded, Offset Panel Grounding Tabs, with Bottom Grounding Tab, Rear 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

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

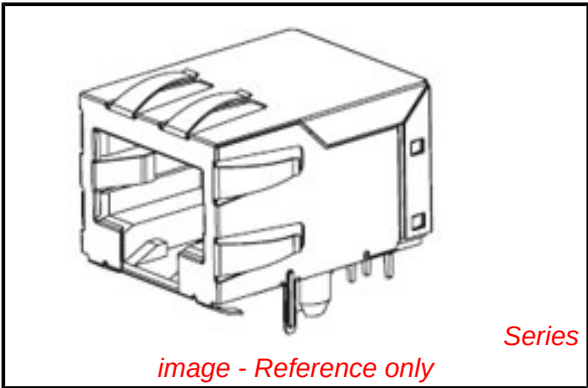
Electrical

Current - Maximum per Contact

1.5A

Grounding to PCB

Yes



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 Panel	Offset 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.

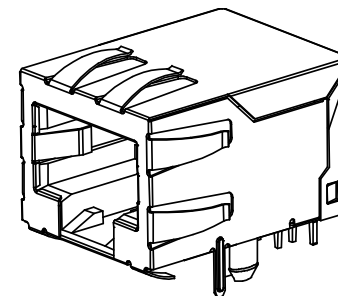
4) PACKAGING SPECIFICATION:

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	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION REV	L4	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY DATE		TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY		
				4 PLACES	±.005	±.005	JTR	1993/03/31			
				3 PLACES	±.010	±.010	CHECKED BY DATE				
				2 PLACES	±.025	±.014	JTR	1993/03/31			
				1 PLACE	±.036	±.005	APPROVED BY DATE		MOLEX MOLEX INCORPORATED		
				ANGULAR ±1/2°		RAS	1993/03/31				
						MATERIAL NO.		DOCUMENT NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHTS 5&6		SDA-43202			SHEET NO. 1 OF 9
				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

	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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A														A																																																															
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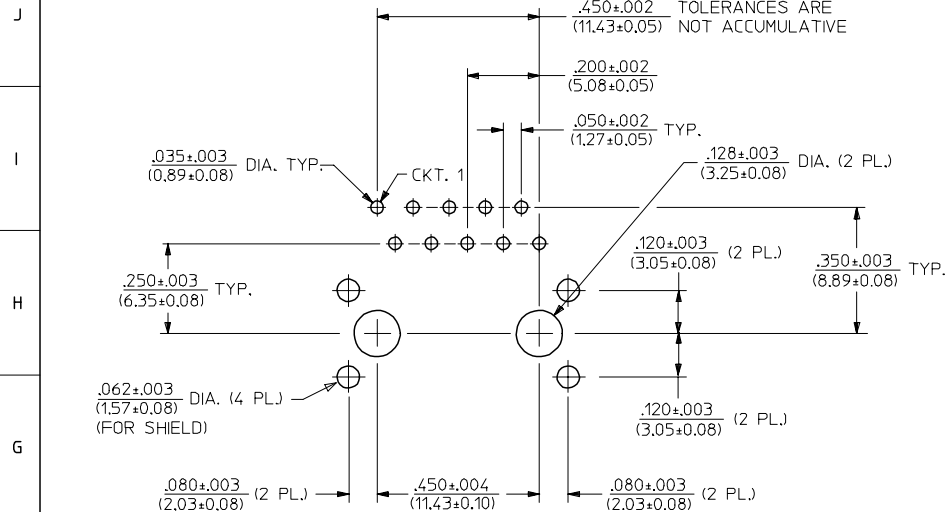
SEE SHEET 1
EC NO: UCP2004-1347
DRWN:MKAMARA0004/02/09
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APPR:BMWKUS 2004/02/10

QUALITY SYMBOLS
▽ - 0
▽ - 0

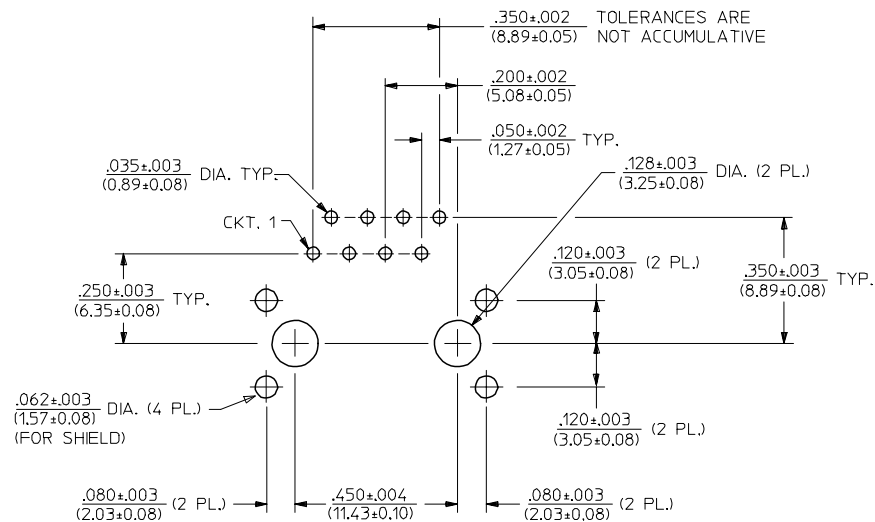
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± ±
3 PLACES ± ±.010
2 PLACES ±0.25 ±.014
1 PLACE ±0.36 ±
ANGULAR ±1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE 4:1
DESIGN UNITS INCH
DIMENSION STYLE IN/MM
DRAWN BY JTR DATE 1993/03/18
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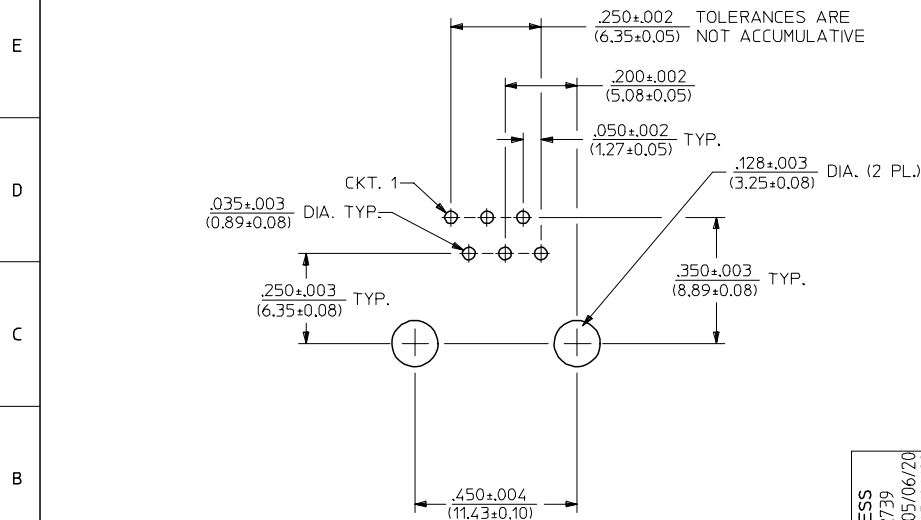
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
TITLE
ULTRA LOW PROFILE
RIGHT ANGLE MODULAR JACK
ASSEMBLY
molex MOLEX INCORPORATED
MATERIAL NO. SEE CHART
DOCUMENT NO. SDA-43202
SHEET NO. 5 OF 9



PC BOARD LAYOUT FOR 8 POSITION HOUSING
(10 CIRCUIT FOOTPRINT SHOWN)
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR 8 POSITION HOUSING
(8 CIRCUIT FOOTPRINT SHOWN)
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR 8 POSITION HOUSING
(6 CIRCUIT FOOTPRINT SHOWN)
(COMPONENT SIDE OF BOARD)

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: FSMITH 2005/06/23	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY			
						DIMENSION STYLE IN/MM			TITLE			
			4 PLACES	± ---	± ---	DRAWN BY L.E. LENZ	DATE 1995/03/09		ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY			
			3 PLACES	± ---	± .010							
			2 PLACES	± 0.25	± .014							
			1 PLACE	± 0.36	± ---							
			ANGULAR ±1/2°			CHECKED BY JTR	DATE 1995/03/09		 MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE			APPROVED BY RAS	DATE 1995/03/09			MATERIAL NO. SEE SHTS 5&6	DOCUMENT NO. SDA-43202	SHEET NO. 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						
			NEW									