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Part Number:

0432028918

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Right Angle, Low Profile, Shielded, Offset 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

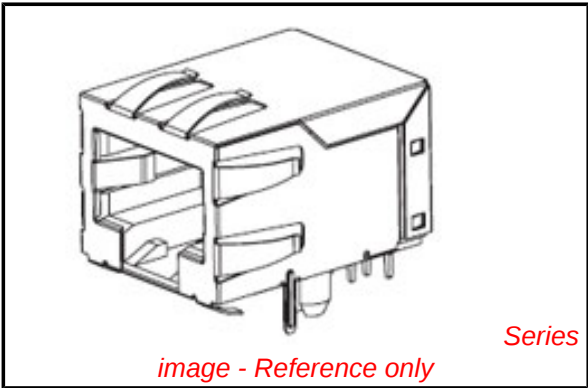
Wire/Cable Type

N/A

Electrical

Current - Maximum per Contact

1.5A



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

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

Grounding to PCB	Yes
Grounding to Panel	Offset Panel Ground Tabs
Shielded	Yes
Voltage - Maximum	125V
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-43202-004
Product Specification	PS-43202-001, RPS-43202-002
Sales Drawing	SDA-43202

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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.

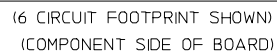
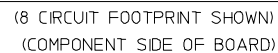
DRAWING LEGEND

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	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	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	DOCUMENT NO. MOLEX MOLEX INCORPORATED	SHEET NO. SDA-43202 1 OF 9	
				mm	INCH	DRAWN BY JTR	DATE 1993/03/31						
			4 PLACES	± ---	± ---	CHECKED BY JTR	DATE 1993/03/31						
			3 PLACES	± ---	± .010								
			2 PLACES	± 0.25	± .014								
			1 PLACE	± 0.36	± ---								
			ANGULAR ±1/2°										
			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

	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								
F														F	
E														E	
D														D	
C														C	
B														B	
A														A	
SEE SHEET 1 EC NO: UCP2004-1347 DRWN:MKAMARA0004/02/09 CHKD:MKAMARA0004/02/09 APPR:BMWKUS 2004/02/10 QUALITY SYMBOLS ▽-0 ▽-0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.000 ±.000 3 PLACES ±.005 ±.010 2 PLACES ±0.25 ±.014 1 PLACE ±0.36 ±.014 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 CHECKED BY JTR DATE 1993/03/18 APPROVED BY RAS DATE 1993/03/18 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION THIRD ANGLE PROJECTION 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 REVISE ON CAD ONLY															
	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 DRWNL: SCHMIDT 2005/06/20 CHKD: ELHAG 2005/06/22 APPR: FSMITH 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 JTR	DATE 1995/03/09				
			2 PLACES	± 0.25	± .014	APPROVED BY RAS	DATE 1995/03/09	MATERIAL NO. SEE SHTS 586	DOCUMENT NO. SDA-43202	SHEET NO. 9 OF 9	
			1 PLACE	± 0.36	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			ANGULAR ±1/2°								
REV			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								C

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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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JONHON

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Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А