

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0432028927](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Low Profile, Shielded, All Panel Grounding Tabs, with Bottom Grounding Tab, Rear Position PCB Ground Tab, 8/8

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
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

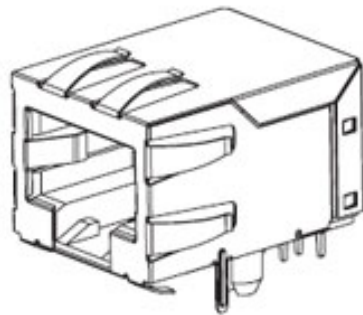


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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	Yes
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.

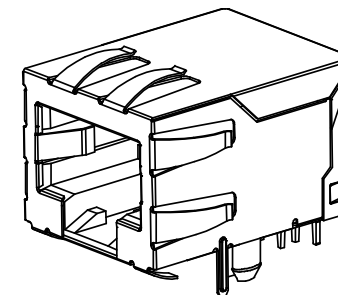
4) PACKAGING SPECIFICATION:

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

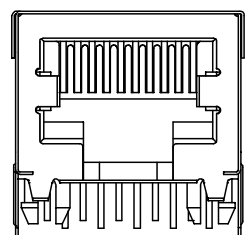
OBS COLORED JACKS EC NO: UCP2008-1189 DRAWN:JBELL 2007/11/30 CHKD:LSCHMIDT 2008/02/20 APPR:FSM/TH 2008/03/04	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY	DATE	TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY  MOLEX INCORPORATED		
				4 PLACES ±---	±---	JTR	1993/03/31			
				3 PLACES ±---	±.010	CHECKED BY	DATE			
				2 PLACES ±0.25	±.014	JTR	1993/03/31			
				1 PLACE ±0.36	±---	APPROVED BY	DATE			
				ANGULAR ±1/2°		RAS	1993/03/31	DOCUMENT NO. SDA-43202		
				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				
								SHEET NO. 1 OF 9		

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

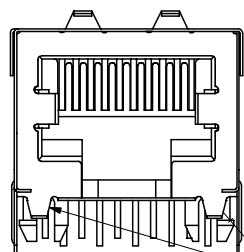
SHIELDED MODULAR JACK W/BOTTOM GROUND TABS

SIZE 8 LOADED 10 VERSION SHOWN

SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



OPTION "A"
NO TOP OR SIDE TABS

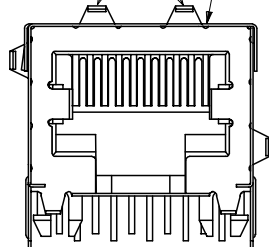


OPTION "B"
TOP TABS

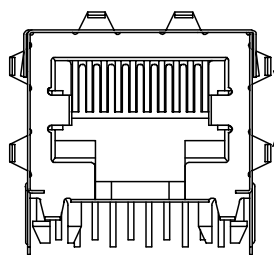
—BOTTOM
GROUND TABS

OPTIONAL TOP GROUND TABS

- SHIELDED MODULAR JACK ASSEMBLY
SEE SHEET 5 FOR MATERIAL NO.

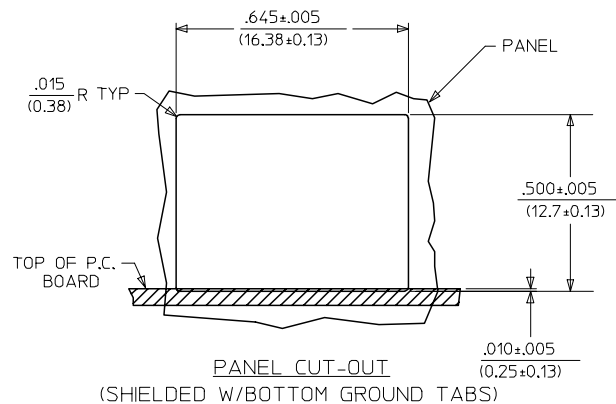
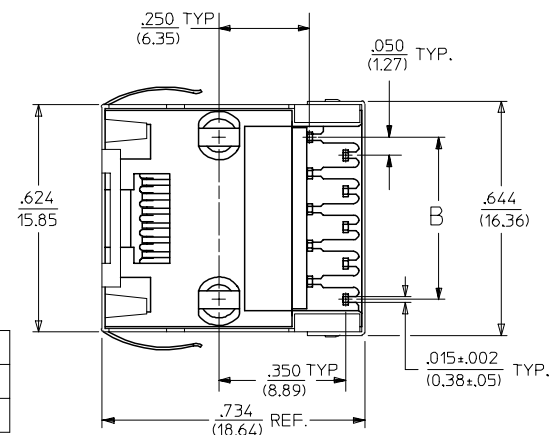
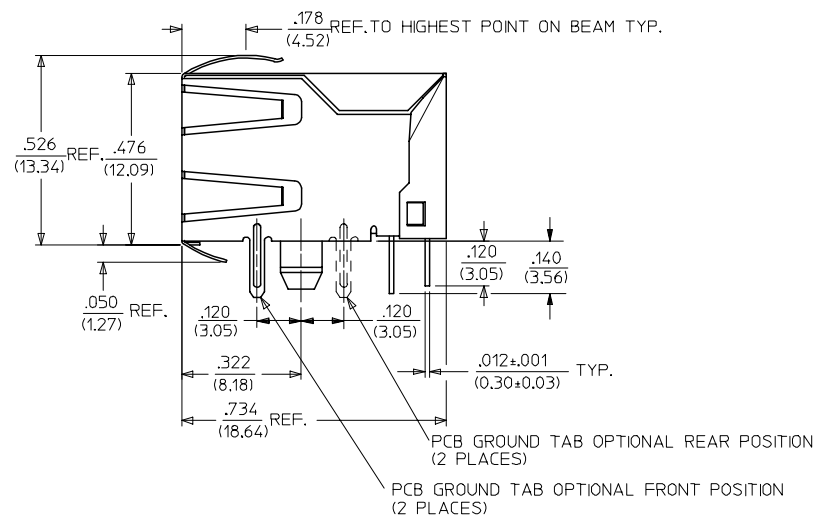


OPTION "C"
TOP AND STAGGERED SIDE TABS



OPTION "D"
TOP AND SIDE TABS

~~OPTIONAL SIDE
GROUND TABS
(2 PLACES)~~



HOUSING SIZE	CIRCUIT SIZE	B
8	10	$\frac{.450 \pm .005}{11.43 \pm .13}$
8	8	$\frac{.350 \pm .005}{8.89 \pm .11}$

SEE SHEET ONE	EC NO: UCP2004-1888	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 ± --- ± ---					DRAWN BY	DATE				
	3 PLACES ± --- ± .010					JTR	1993/03/31				
	2 PLACES ± 0.25 ± .014					CHECKED BY	DATE				
	1 PLACE ± 0.36 ± ---					JTR	1993/03/31				
				ANGULAR ±1/2°							
				DRAFT WHERE APPLICABLE		APPROVED BY	DATE	MATERIAL NO.		DOCUMENT NO.	SHEET NO.
						RAS	1993/03/31	SEE SHT 5		SDA-43202	2 OF 9
				MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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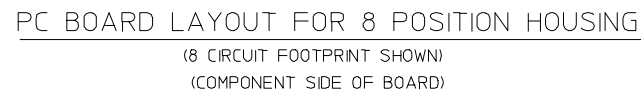
SEE SHEET 1
EC NO: UCP2004-1347
DRWN:MKAMARA0004/02/09
CHKD:MKAMARA0004/02/09
APPR:BMWKUS 2004/02/10

QUALITY SYMBOLS
▽ - 0
▽ - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± ±
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



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: FSMTH 2005/06/23	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
		 -0  -0		mm	INCH	DIMENSION STYLE IN/MM		TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY			
			4 PLACES	± ---	± ---	DRAWN BY	DATE				
			3 PLACES	± ---	± .010	L.E.LENZ	1995/03/09				
			2 PLACES	± 0.25	± .014	CHECKED BY	DATE	molex MOLEX INCORPORATED			
			1 PLACE	± 0.36	± ---	JTR	1995/03/09				
		ANGULAR ±1/2°		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
		DRAFT WHERE APPLICABLE		RAS	1995/03/09	SEE SHTS 5&6	SDA-43202	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					C		

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru