

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0424108600

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Vertical, 8/6, Panel Stops

Documents:

3D Model

Drawing (PDF)

Product Specification PS-42410 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E107635

General

Product Family

Series

Comments

Component Type

Magnetic

Overview

Performance Category

Power over Ethernet (PoE)

Product Name

Modular Jacks/Plugs

42410

Flush Mount|Flangeless|2 PCB Thick

PCB Jack

No

modular_plugs_jacks

3

N/A

RJ45

Physical

Color - Resin

Durability (mating cycles max)

Flammability

Inverted / Top Latch

Lightpipes/LEDs

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Orientation

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Ports

Positions / Loaded Contacts

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire/Cable Type

Black

500

94V-0

N/A

None

Phosphor Bronze

Gold

Tin

Polyester

Vertical (Top Entry)

Yes

0.062 In

1.60 mm

Tray

0.050 In

1.27 mm

50

1.25

100

2.5

1

8/6

No

-40°C to +80°C

Through Hole

N/A

Electrical

Current - Maximum per Contact

Shielded

Voltage - Maximum

1.5A

No

125V



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

42410Series

Mates With

FCC 68 Plugs

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	235

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-42410-492
Product Specification	PS-42410
Sales Drawing	SDA-42410-****
Test Summary	TS-42878-001

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42410

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NOTES:

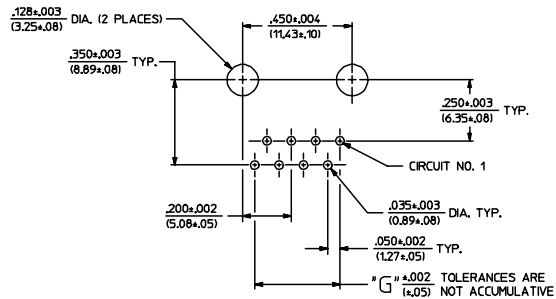
- MATERIALS: HOUSING PARTS ARE MADE OF POLYESTER, RATED UL, 94 V-0, COLOR IS BLACK; TERMINALS ARE .015/(0.38) THICK PHOSPHOR BRONZE.
- TERMINAL PLATING OPTIONS PER ES-88-***:
 - SELECT GOLD IN CONTACT AREA; 50 MICROINCHES MIN.,
 - SELECT TIN IN PC TAIL AREA; 100 MICROINCHES MIN.,WITH OVERALL NICKEL UNDERPLATE; 50 MICROINCHES 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 TAIL.
- THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-42410.
- CONNECTORS ARE TO BE PACKED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42410-492.
- ALL JACKS ARE DESIGNED TO BE USED WITH .062/(1.57) OR .125/(3.18) THICK P.C. BOARDS.
- ALL JACKS CONFORM TO AND ACCEPT PLUGS WHICH CONFORM TO FCC RULES AND REGULATIONS PART 68, SUBPART F, WHEN PLATED WITH 50 MICROINCHES GOLD.
- ALL JACKS MUST BE CAPABLE OF FITTING INTO MOLEX GAGE G-42410 (CONNECTOR SIZE 4).
- SEE SHEETS 1 & 4 FOR CONNECTOR SIZE 4.
- SEE SHEETS 2 & 4 FOR CONNECTOR SIZE 6.
- SEE SHEET 4 FOR ASSEMBLY ITEM NUMBERS.
- THIS MODULAR JACK ASSEMBLY IS ALSO AVAILABLE IN A UL 94V-0 RATED, GLASS-FILLED NYLON. (SEE MOLEX DRAWING SDA-43576)
- ENGRAVED NUMBERS ON HOUSING BODY ARE FOR HOLDING IDENTIFICATION ONLY. THEY ARE NOT INTENDED FOR ASSEMBLY IDENTIFICATION PURPOSES.
- ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

P.C. BOARD THICKNESS	DIM. "D" (MTG. PEGS)	DIM. "F" (P.C. TAILS)
.062/(1.57)	.128 (3.25)	.120 +.015/- .025 (3.05 +.38/- .63)
.125/(3.18)	.191 (4.85)	.205 +.015/- .025 (5.21 +.38/- .63)

CONNECTOR SIZE	CIRCUIT SIZE	DIM. "G"
8	8	.350 (8.89)
8	6	.250 (6.35)
8	4	.150 (3.81)
8	2	.050 (1.27)



PANEL CUT-OUT FOR CONNECTOR SIZE 8



P.C. BOARD LAYOUT FOR CONNECTOR SIZE 8



SIZE 8 MODULAR JACK LOADED WITH 8 TERMINALS SHOWN ABOVE

(SEE SHEET 4 FOR PART NUMBER AVAILABILITY)

SEE SHEET ONE EC NO. UFP2004-667 DRAWN: SCHMIDT 2004/03/03 CHKD: SCHMIDT 2004/03/03 APPR: F. SMITH 2004/03/03 REV	QUALITY SYMBOLS ▽ .0 ▽ .0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION REVISE ON CAD ONLY	TITLE ASSEMBLY, VERTICAL MODULAR JACKS (CONNECTOR SIZE 8) MOLEX INCORPORATED		
						DIMENSION STYLE IN/MM					
			4 PLACES	± .0005	± .0005	DRAWN BY	DATE				
			3 PLACES	± .0005	± .0005	GLT	1990/10/12				
			2 PLACES	± .0005	± .0005	CHECKED BY	DATE				
			1 PLACE	± .0005	± .0005	BAP	1990/10/12				
			ANGULAR ±1/2°			APPROVED BY	DATE			MATERIAL NO.	
			DRAFT WHERE APPLICABLE			RAS	1990/10/12			DOCUMENT NO.	
			MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 4 SDA-42410-****				SHEET NO. 3 OF 4	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				D	



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Электрон
Связь**

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