

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0428786218

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Vertical, Low Profile, 6/6

Documents:

3D Model

Drawing (PDF)

Product Specification PS-42878 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E107635

General

Product Family

Modular Jacks/Plugs

Series

42878

Comments

Flush Mount|Flangeless|2 PCB Thick

Component Type

PCB Jack

Magnetic

No

Overview

modular_plugs_jacks

Performance Category

3

Power over Ethernet (PoE)

N/A

Product Name

RJ11

Physical

Boot Color

N/A

Color - Resin

Black

Durability (mating cycles max)

500

Flammability

94V-0

Inverted / Top Latch

N/A

Lightpipes/LEDs

None

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

Polyester

Orientation

Vertical (Top Entry)

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.57 mm

Packaging Type

Tray

Pitch - Mating Interface (in)

0.040 In

Pitch - Mating Interface (mm)

1.02 mm

Pitch - Term. Interface (in)

0.050 In

Pitch - Term. 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

6/6

Surface Mount Compatible (SMC)

No

Temperature Range - Operating

-40°C to +85°C

Termination Interface: Style

Through Hole

Waterproof / Dustproof

No

Wire/Cable Type

N/A



image - Reference only

Series

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

42878Series

Mates With

FCC 68 Plugs

Electrical

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	150V AC (RMS)

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

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fb_frame_D_P_ME_T
Rev. E 2006/04/15

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
M	X*-NOT TOOLED	ASSEMBLY NUMBER	PART CHARACTERISTICS					X*-NOT TOOLED	ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS				CHARACTERISTICS LEGEND							
		EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P. C. BOARD THICKNESS	MOUNTING EARS OPTION			EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P. C. BOARD THICKNESS	MOUNTING EARS OPTION	EXTERNAL CONNECTOR BODY DIMENSIONS: AVAILABLE IN 4, 6, AND 8 POSITION BODY									
												NUMBER OF CONTACT POSITIONS: CONNECTOR SIZE 4 ACCOMMODATES 2, 4, OR 6 TERMINALS, CONNECTOR SIZE 6 ACCOMMODATES 2, 4, OR 6 TERMINALS, CONNECTOR SIZE 8 ACCOMMODATES 2, 4, 6, 8, OR 10 TERMINALS									
L	42878-4216	4 POS. BODY	4	.062	YES			42878-6216	6 POS. BODY	6	.062	YES	POLARIZATION OPTION: (AVAILABLE ON CONNECTOR SIZE 8 ONLY) *NO*= WITHOUT KEYING SLOT *YES*= WITH KEYING SLOT								
	42878-4218	↑	4	.062	NO			42878-6218	↑	6	.062	NO	MOUNTING EARS OPTION: *YES*= PART WITH MOUNTING EARS *NO*= PART WITHOUT MOUNTING EARS								
	42878-4264		4	.125	YES			42878-6264		6	.125	YES	(SEE SHEET 1 & 2 FOR PART DESCRIPTIONS AND DIMENSIONS)								
	42878-4266		4	.125	NO			42878-6266		6	.125	NO									
	42878-4360		2	.062	YES			42878-6360		4	.062	YES									
	42878-4362		2	.062	NO			42878-6362		4	.062	NO									
K	42878-4408	↓	2	.125	YES			42878-6408		4	.125	YES									
	42878-4410	4 POS. BODY	2	.125	NO			42878-6410		4	.125	NO									
								42878-6504		2	.062	YES									
								42878-6506		2	.062	NO									
								42878-6552	↓	2	.125	YES									
								42878-6554	6 POS. BODY	2	.125	NO									
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to frame D.P.M.E.T. Rev. C 2002/05/05 19181716151413121110987654321 SEE SHEET ONE EC NO: UCP2004-1617 DRAWNLSCHMDT 2004/03/03 CHKDLSCHMDT 2004/03/03 APPR.FSMITH 2004/03/03 H QUALITY SYMBOLS ▽.0 ▽.0 GENERAL TOLERANCES (UNLESS SPECIFIED) mmINCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS SCALE --- INCH DIMENSION STYLE IN/MM DRAWN BY DATE BAP 1992/04/09 CHECKED BY DATE BAP 1992/04/09 APPROVED BY DATE RAS 1992/04/09 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION THIRD ANGLE PROJECTION REVISE ON CAD ONLY TITLE ASSEMBLY, VERTICAL LOW PROFILE MODULAR JACKS (CONNECTOR SIZE 4 & 6) MOLEX MOLEX INCORPORATED MATERIAL NO. DOCUMENT NO. SHEET NO. 4 OF 5 D																					