

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0428788840

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Vertical, Low Profile, 8/6, Keyed, Panel Stops

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

Component Type

PCB Jack

Magnetic

No

Overview

modular_plugs_jacks

Performance Category

3

Power over Ethernet (PoE)

N/A

Product Name

RJ45

Physical

Boot Color

N/A

Color - Resin

Black

Durability (mating cycles max)

500

Flammability

94V-0

Inverted / Top Latch

N/A

Keying to Mating Part

Yes

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)

0.125 In

PCB Thickness Recommended (mm)

3.18 mm

Packaging Type

Tray

Panel Mount

With Flange

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

Ports

1

Positions / Loaded Contacts

8/6

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

Electrical

Current - Maximum per Contact

1.5A

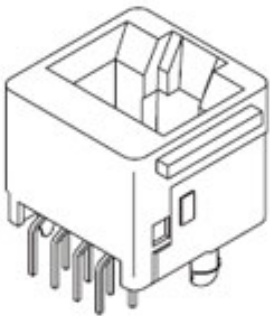


image - Reference only

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

42878Series

Mates With

FCC 68 Plugs

Grounding to PCB	No
Grounding to Panel	None
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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tb_frame_D_P_ME_T
Rev. E 2006/04/15

[illegible]

CHARACTERISTICS LEGEND

EXTERNAL CONNECTOR BODY DIMENSIONS: AVAILABLE IN 4, 6, AND 8 POSITION BODY
NUMBER OF CONTACT POSITIONS: CONNECTOR SIZE 4 ACCOMMODATES 2, OR 4 TERMINALS, CONNECTOR SIZE 6 ACCOMMODATES 2, 4, OR 6 TERMINALS, CONNECTOR SIZE 8 ACCOMMODATES 2, 4, 6, 8, OR 10 TERMINALS
POLARIZATION OPTIONS: AVAILABLE ON CONNECTOR SIZE 8 (ONLY 1) "NO" - WITHOUT KEYING SLOT "YES" - WITH KEYING SLOT
MOUNTING EARS OPTION: "YES" - PART WITH MOUNTING EARS "NO" - PART WITHOUT MOUNTING EARS
(SEE SHEET 3 - FOR PART DESCRIPTIONS, AND DIMENSIONS)

B																SEE SHEET ONE REC NO: UCP2004-167 DRAWN: SCHMIDT 2004/03/03 CHECKED: SCHMIDT 2004/03/03 APPR: F SMITH 2004/03/03 REV		QUALITY SYMBOLS ▽ 0 ▽ 0	DESCRIPTION DIM INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	GENERAL TOLERANCES (UNLESS SPECIFIED) DIM INCH		SCALE --- INCH	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY										
	IN/MM		TITLE ASSEMBLY, VERTICAL LOW PROFILE MODULAR JACKS (CONNECTOR SIZE 8)																																
A																		DRAWN BY BAP	DATE 1992/04/09	CHECKED BY BAP	DATE 1992/04/09	MATERIAL NO. SEE CHART SDA-42878-XXXX	DOCUMENT NO. SDA-42878-XXXX	SHEET NO. 5 OF 5											
																THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
To: frame: D.P.M.E.T Rev. C, 2002/05/05																	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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