

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0428788792](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Vertical, Low Profile, 8/6, Panel Stops

Documents:
[3D Model](#) [Product Specification PS-42878 \(PDF\)](#)
[Drawing \(PDF\)](#) [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 RJ45

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) 0.125 In
PCB Thickness Recommended (mm) 3.18 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
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
Shielded No



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

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

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

tb_frame_D_P_ME_T
Rev. E 2006/04/15

	20	19	18	17	16	15	14	13	12	11	42878	9	8	7	6	5	4	3	2	1	
X*-NOT TOOLED	ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS					X*-NOT TOOLED	ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS					X*-NOT TOOLED	ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS					
		EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P. C. BOARD THICKNESS	POLARIZATION OPTION	MOUNTING EARS OPTION			EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	BOARD THICKNESS/ P.C. TAIL OPTION	POLARIZATION OPTION	MOUNTING EARS OPTION			EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	BOARD THICKNESS/ P.C. TAIL OPTION	POLARIZATION OPTION	MOUNTING EARS OPTION	
L	42878-8408	8 POS. BODY	8	.062	NO	YES		42878-8984	8 POS. BODY	4	.062	NO	YES		42878-1001	8 POS. BODY	10	.062	NO	YES	
	42878-8410	↑	↑	↓	NO	NO		42878-8986	↑	↑	↑	NO	NO		42878-1003	↑	↑	.062	NO	NO	
	42878-8456				YES	YES		42878-9032			↓	YES	YES		42878-1025			.125	NO	YES	
	42878-8458			.062	YES	NO		42878-9034			.062	YES	NO		42878-1027			↓	NO	NO	
	42878-8504			.125	NO	YES		42878-9080			.125	NO	YES		42878-1037	↓		↓	YES	YES	
K	42878-8506			↑	NO	NO		42878-9082			↑	NO	NO								
	42878-8552		↓	↓	YES	YES		42878-9128			↓	YES	YES								
	42878-8554		8	.125	YES	NO		42878-9130		4	.125	YES	NO								
	42878-8696		6	.062	NO	YES		42878-9272		2	.062	NO	YES								
	42878-8698		↑	↑	NO	NO		42878-9274		↑	↑	NO	NO								
J	42878-8744			↓	YES	YES		42878-9320			↓	YES	YES								
	42878-8746			.062	YES	NO		42878-9322			.062	YES	NO								
	42878-8792			.125	NO	YES		42878-9368			.125	NO	YES								
	42878-8794			↑	NO	NO		42878-9370			↑	NO	NO								
	42878-8840	↓	↓	↓	YES	YES		42878-9416	↓	↓	↑	YES	YES								
	42878-8842	8 POS. BODY	6	.125	YES	NO		42878-9418	8 POS. BODY	2	.125	YES	NO								
						</															

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 EC NO: UCP2004-1617 DRW/LSCHMIDT 2004/03/03 CHKD/LSCHMIDT 2004/03/03 APPR/F SMITH 2004/03/03 REV	DESCRIPTION	QUALITY SYMBOLS ▽.0 ▽.0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	TITLE ASSEMBLY, VERTICAL LOW PROFILE MODULAR JACKS (CONNECTOR SIZE 8)	MOLEX MOLEX INCORPORATED	MATERIAL NO. SEE CHART SDA-42878-****	DOCUMENT NO. 5 OF 5	SHEET NO. D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	mm INCH		DIMENSION STYLE IN/MM		DRAWN BY DATE 1992/04/09	CHECKED BY DATE 1992/04/09	APPROVED BY DATE 1992/04/09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
A																4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

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