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Part Number: [0428786216](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Vertical, Low Profile, 6/6, Panel Stops

Documents:
[3D Model](#) [Product Specification PS-42878 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

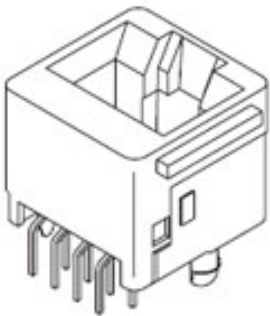
CSA LR19980
UL E107635

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 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



Series

image - Reference only

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
[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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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		
M	*X=NOT TOOLED	ASSEMBLY NUMBER	PART CHARACTERISTICS				*X=NOT TOOLED	ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS													
			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										
L		42878-4216	4 POS. BODY	4	.062	YES		42878-6216	6 POS. BODY	6	.062	YES										
		42878-4218	↑	4	.062	NO		42878-6218	↑	6	.062	NO										
		42878-4264		4	.125	YES		42878-6264		6	.125	YES										
		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										
J								42878-6554	6 POS. BODY	2	.125	NO										
I																						
H																						
G																						
F																						
E																						
D																						
C																						
B																						
A																						
	tb_frame_D.P_ME.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		

SEE SHEET ONE EC NO. UCP2004-1617 DRAWN:LSCHMDT 2004/03/03 CHKD:LSCHMDT 2004/03/03 APPR:FSMTH 2004/03/03 H	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
		 0		mm	INCH	DIMENSION STYLE IN/MM		TITILE	ASSEMBLY, VERTICAL LOW PROFILE MODULAR JACKS (CONNECTOR SIZE 4 & 6)	
			4 PLACES	±----	±----	DRAWN BY	DATE			
			3 PLACES	±----	±----	BAP	1992/04/09			
			2 PLACES	±----	±----	CHECKED BY	DATE			
			1 PLACE	±----	±----	BAP	1992/04/09			
			ANGULAR ±1/2°					MATERIAL NO. SEE CHART SDA-42878-****	DOCUMENT NO. 4 OF 5	SHEET NO. D
		DRAFT WHERE APPLICABLE			APPROVED BY					
		MUST REMAIN WITHIN DIMENSIONS			RAS 1992/04/09					
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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 OPTION: (AVAILABLE ON CONNECTOR SIZE 8 ONLY) *NO*- WITHOUT KEYING SLOT *YES*- WITH KEYING SLOT	
MOUNTING EARS OPTION: *YES*- PART WITH MOUNTING EARS *NO*- PART WITHOUT MOUNTING EARS	
(SEE SHEET 1 & 2 FOR PART DESCRIPTIONS AND DIMENSIONS)	

SEE SHEET ONE EC NO: UCP2004-1617 DRAWN:LSCHMDT 2004/03/03 CHKD:LSCHMDT 2004/03/03 APPR:FSMTH 2004/03/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE ---	DESIGN UNITS INCH		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY				
				DIMENSION STYLE			TITLE					
				IN/MM			ASSEMBLY. VERTICAL LOW PROFILE MODULAR JACKS (CONNECTOR SIZE 4 & 6)					
				DRAWN BY DATE								
	▽.0	4 PLACES	±	mm	INCH	BAP	1992/04/09		MOLEX INCORPORATED			
		3 PLACES	±	±	±	CHECKED BY DATE						
	▽.0	2 PLACES	±	±	±	BAP	1992/04/09			MATERIAL NO.	DOCUMENT NO.	SHEET NO.
		1 PLACE	±	±	±	APPROVED BY DATE						
	DESCRIPTION	ANGULAR ±1/2°				RAS	1992/04/09	SEE CHART SDA-42878-****		4 OF 5		
		DRAFT WHERE APPLICABLE										
MUST REMAIN WITHIN DIMENSIONS												



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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