

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0428784218

Status:

Active

Description:

Modular Jack, Vertical, Low Profile, 4/2

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
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	N/A

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	4/4
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

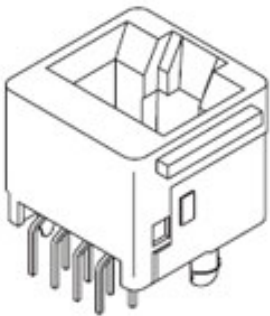


image - Reference only

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

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

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

1b_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	<table><tr><td rowspan="2">X*NOT TOOLED</td><td rowspan="2">ASSEMBLY NUMBER</td><td colspan="4">PART CHARACTERISTICS</td></tr><tr><td>EXTERNAL CONNECTOR SIZE</td><td>NUMBER OF POSITIONS</td><td>P. C. BOARD THICKNESS</td><td>MOUNTING EARS OPTION</td></tr><tr><td colspan="2"></td><td>4 POS. BODY</td><td>4</td><td>.062</td><td>YES</td></tr><tr><td rowspan="5">L</td><td>42878-4216</td><td rowspan="4">↑</td><td>4</td><td>.062</td><td>NO</td></tr><tr><td>42878-4218</td><td>4</td><td>.125</td><td>YES</td></tr><tr><td>42878-4264</td><td>4</td><td>.125</td><td>NO</td></tr><tr><td>42878-4266</td><td>2</td><td>.062</td><td>YES</td></tr><tr><td>42878-4360</td><td>2</td><td>.062</td><td>NO</td></tr><tr><td rowspan="5">K</td><td>42878-4362</td><td rowspan="4">↓</td><td>2</td><td>.125</td><td>YES</td></tr><tr><td>42878-4408</td><td>4 POS. BODY</td><td>2</td><td>.125</td><td>NO</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">J</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">I</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">H</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">G</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">F</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">E</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">D</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">C</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">B</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="5">A</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>																				X*NOT TOOLED	ASSEMBLY NUMBER	PART CHARACTERISTICS				EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P. C. BOARD THICKNESS	MOUNTING EARS OPTION			4 POS. BODY	4	.062	YES	L	42878-4216	↑	4	.062	NO	42878-4218	4	.125	YES	42878-4264	4	.125	NO	42878-4266	2	.062	YES	42878-4360	2	.062	NO	K	42878-4362	↓	2	.125	YES	42878-4408	4 POS. BODY	2	.125	NO											J																										I																										H																										G																										F																										E																										D																										C																										B																										A																									
X*NOT TOOLED	ASSEMBLY NUMBER	PART CHARACTERISTICS																																																																																																																																																																																																																																																																																																																																																	
		EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P. C. BOARD THICKNESS	MOUNTING EARS OPTION																																																																																																																																																																																																																																																																																																																																														
		4 POS. BODY	4	.062	YES																																																																																																																																																																																																																																																																																																																																														
L	42878-4216	↑	4	.062	NO																																																																																																																																																																																																																																																																																																																																														
	42878-4218		4	.125	YES																																																																																																																																																																																																																																																																																																																																														
	42878-4264		4	.125	NO																																																																																																																																																																																																																																																																																																																																														
	42878-4266		2	.062	YES																																																																																																																																																																																																																																																																																																																																														
	42878-4360	2	.062	NO																																																																																																																																																																																																																																																																																																																																															
K	42878-4362	↓	2	.125	YES																																																																																																																																																																																																																																																																																																																																														
	42878-4408		4 POS. BODY	2	.125	NO																																																																																																																																																																																																																																																																																																																																													
	J																																																																																																																																																																																																																																																																																																																																																		
I																																																																																																																																																																																																																																																																																																																																																			
H																																																																																																																																																																																																																																																																																																																																																			
G																																																																																																																																																																																																																																																																																																																																																			
F																																																																																																																																																																																																																																																																																																																																																			
E																																																																																																																																																																																																																																																																																																																																																			
D																																																																																																																																																																																																																																																																																																																																																			
C																																																																																																																																																																																																																																																																																																																																																			
B																																																																																																																																																																																																																																																																																																																																																			
A																																																																																																																																																																																																																																																																																																																																																			
<table><tr><td rowspan="2">SEE SHEET ONE EC NO: UCP2004-1617 DRWNLSCHMDT 2004/03/03 CHKDLSCHMDT 2004/03/03 APPR.FSMTH 2004/03/03 H</td><td rowspan="2">DESCRIPTION (REV)</td><td>QUALITY SYMBOLS ▽.0 ▽.0</td><td>GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.--- 2 PLACES ±.--- ±.--- 1 PLACE ±.--- ±.--- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>SCALE --- INCH IN/MM</td><td>DESIGN UNITS INCH IN/MM</td><td>THIRD ANGLE PROJECTION REVISE ON CAD ONLY</td><td colspan="2">TITLE ASSEMBLY, VERTICAL LOW PROFILE MODULAR JACKS (CONNECTOR SIZE 4 & 6) MOLEX INCORPORATED</td><td>MATERIAL NO. DOCUMENT NO. SHEET NO. 4 OF 5</td></tr><tr><td colspan="3">APPROVED BY RAS 1992/04/09</td><td colspan="3">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>																				SEE SHEET ONE EC NO: UCP2004-1617 DRWNLSCHMDT 2004/03/03 CHKDLSCHMDT 2004/03/03 APPR.FSMTH 2004/03/03 H	DESCRIPTION (REV)	QUALITY SYMBOLS ▽.0 ▽.0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.--- 2 PLACES ±.--- ±.--- 1 PLACE ±.--- ±.--- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE --- INCH IN/MM	DESIGN UNITS INCH IN/MM	THIRD ANGLE PROJECTION REVISE ON CAD ONLY	TITLE ASSEMBLY, VERTICAL LOW PROFILE MODULAR JACKS (CONNECTOR SIZE 4 & 6) MOLEX INCORPORATED		MATERIAL NO. DOCUMENT NO. SHEET NO. 4 OF 5	APPROVED BY RAS 1992/04/09			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																																																																																																																																																																																																																																																																		
SEE SHEET ONE EC NO: UCP2004-1617 DRWNLSCHMDT 2004/03/03 CHKDLSCHMDT 2004/03/03 APPR.FSMTH 2004/03/03 H	DESCRIPTION (REV)	QUALITY SYMBOLS ▽.0 ▽.0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.--- 2 PLACES ±.--- ±.--- 1 PLACE ±.--- ±.--- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE --- INCH IN/MM	DESIGN UNITS INCH IN/MM	THIRD ANGLE PROJECTION REVISE ON CAD ONLY	TITLE ASSEMBLY, VERTICAL LOW PROFILE MODULAR JACKS (CONNECTOR SIZE 4 & 6) MOLEX INCORPORATED		MATERIAL NO. DOCUMENT NO. SHEET NO. 4 OF 5																																																																																																																																																																																																																																																																																																																																										
		APPROVED BY RAS 1992/04/09			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																																																																																																																																																																																																																																																																																														
<table><tr><td>19</td><td>18</td><td>17</td><td>16</td><td>15</td><td>14</td><td>13</td><td>12</td><td>11</td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td></tr></table>																				19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																													
19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																																																	

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

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А