

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0424108936

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Vertical, 8/4, Keyed, Panel Stops

Documents:

3D Model

Drawing (PDF)

Product Specification PS-42410 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E107635

General

Product Family

Modular Jacks/Plugs

Series

42410

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)

0.062 In

PCB Thickness Recommended (mm)

1.57 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

8/4

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

Current - Maximum per Contact

1.5A

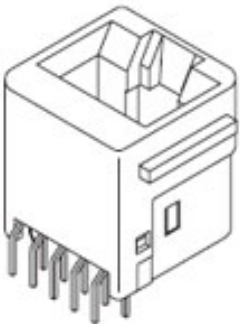


image - Reference only

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

42410Series

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-42410-492
Product Specification	PS-42410
Sales Drawing	SDA-42410-****
Test Summary	TS-42878-001

This document was generated on 06/07/2010

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42410

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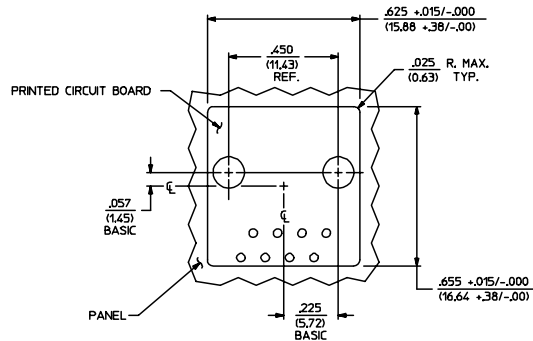
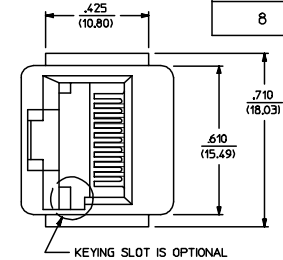
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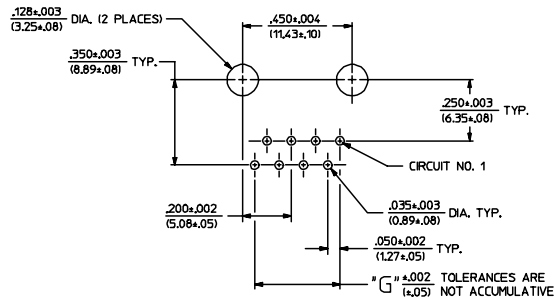
- 1) MATERIALS: HOUSING PARTS ARE MADE OF POLYESTER, RATED U.L. 94 V-0, COLOR IS BLACK; TERMINALS ARE .015/(0.38) THICK PHOSPHOR BRONZE.
- 2) TERMINAL PLATING OPTIONS PER ES-88-***:
 - A - SELECT GOLD IN CONTACT AREA; 50 MICROINCHES MIN.,
 - *SELECT TIN IN PC TAIL AREA; 100 MICROINCHES MIN.,
 - WITH OVERALL NICKEL UNDERPLATE; 50 MICROINCHES MIN.
 - *THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD IN THE PC TAIL.
- 3) THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-42410.
- 4) CONNECTORS ARE TO BE PACKED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42410-492.
- 5) ALL JACKS ARE DESIGNED TO BE USED WITH .062/(1.57) OR .125/(3.18) THICK P.C. BOARDS.
- 6) ALL JACKS CONFORM TO AND ACCEPT PLUGS WHICH CONFORM TO FCC RULES AND REGULATIONS PART 68, SUBPART F, WHEN PLATED WITH 50 MICROINCHES GOLD.
- 7) ALL JACKS MUST BE CAPABLE OF FITTING INTO MOLEX GAGE G-42410 (CONNECTOR SIZE 4).
- 8) SEE SHEETS 1 & 4 FOR CONNECTOR SIZE 4.
- 9) SEE SHEETS 2 & 4 FOR CONNECTOR SIZE 6.
- 10) SEE SHEET 4 FOR ASSEMBLY ITEM NUMBERS.
- 11) THIS MODULAR JACK ASSEMBLY IS ALSO AVAILABLE IN A UL 94V-0 RATED, GLASS-FILLED NYLON. (SEE MOLEX DRAWING SDA-43576)
- 12) ENGRAVED NUMBERS ON HOUSING BODY ARE FOR HOLDING IDENTIFICATION ONLY. THEY ARE NOT INTENDED FOR ASSEMBLY IDENTIFICATION PURPOSES.
- 13) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

P.C. BOARD THICKNESS	DIM. "D" (MTG. PEGS)	DIM. "F" (P.C. TAILS)
.062/(1.57)	.128 (3.25)	.120 +.015/- .025 (3.05 +.38/- .63)
.125/(3.18)	.191 (4.85)	.205 +.015/- .025 (5.21 +.38/- .63)

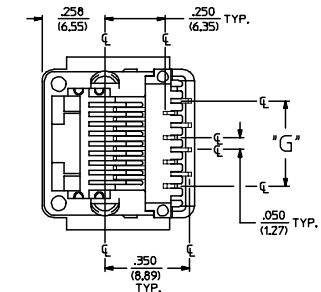
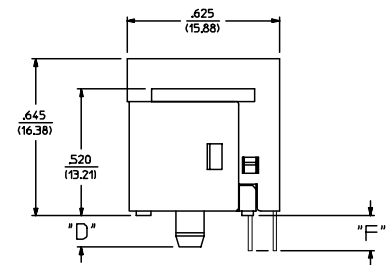
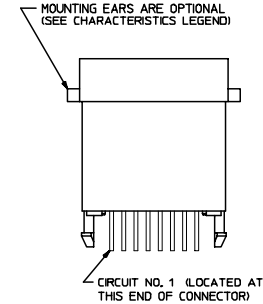
CONNECTOR SIZE	CIRCUIT SIZE	DIM. "G"
8	8	.350 (8.89)
8	6	.250 (6.35)
8	4	.150 (3.81)
8	2	.050 (1.27)



PANEL CUT-OUT FOR CONNECTOR SIZE 8



P.C. BOARD LAYOUT FOR CONNECTOR SIZE 8



SIZE 8 MODULAR JACK LOADED WITH 8 TERMINALS SHOWN ABOVE

(SEE SHEET 4 FOR PART NUMBER AVAILABILITY)

SEE SHEET ONE EC NO. UFP2004-667 DRAWN: SCHMIDT 2004/03/03 CHKD: SCHMIDT 2004/03/03 APPR: F. SMITH 2004/03/03 REV	QUALITY SYMBOLS 0 0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± .0005 3 PLACES ± .0005 2 PLACES ± .0005 1 PLACE ± .0005 ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 4:1 DESIGN UNITS INCH DIMENSION STYLE IN/MM	THIRD ANGLE PROJECTION REVISE ON CAD ONLY	ASSEMBLY, VERTICAL MODULAR JACKS (CONNECTOR SIZE 8) MOLEX INCORPORATED MATERIAL NO. (DOCUMENT NO.) SEE SHEET 4 SDA-42410-****	SHEET NO. 3 OF 4

	20	19	18	17	16	15	14	13	12	11	42410	9	8	7	6	5	4	3	2	1																										
M	SIZE 4 VERTICAL MODJACK ASSEMBLIES						SIZE 8 VERTICAL MODJACK ASSEMBLIES																																							
	PART CHARACTERISTICS						PART CHARACTERISTICS																																							
	ASSEMBLY ITEM NUMBER	EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P.C. BOARD THICKNESS	MOUNTING EARS OPTION	TERMINAL PLATING OPTION	ASSEMBLY ITEM NUMBER	EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P.C. BOARD THICKNESS	KEYING OPTION	MOUNTING EARS OPTION	TERMINAL PLATING OPTION																																	
	42410-4168	4 POS. BODY	4	.062/(1.57)	YES	A	42410-8312	8 POS. BODY	8	.062/(1.57)	NO	YES	A																																	
	42410-4170	↑	↑	.062/(1.57)	NO	A	42410-8314	↑	↑	.062/(1.57)	NO	NO	A																																	
L	42410-4264	↓	↓	.125/(3.18)	YES	A	42410-8360	↑	↑	.062/(1.57)	YES	YES	A																																	
	42410-4266	4 POS. BODY	4	.125/(3.18)	NO	A	42410-8362	↑	↑	.062/(1.57)	YES	NO	A																																	
	42410-4312	4 POS. BODY	2	.062/(1.57)	YES	A	42410-8504	↑	↑	.125/(3.18)	NO	YES	A																																	
K	42410-4314	↑	↑	.062/(1.57)	NO	A	42410-8506	↑	↑	.125/(3.18)	NO	NO	A																																	
	42410-4408	↓	↓	.125/(3.18)	YES	A	42410-8552	↓	↓	.125/(3.18)	YES	YES	A																																	
	42410-4410	4 POS. BODY	2	.125/(3.18)	NO	A	42410-8554	8 POS. BODY	8	.125/(3.18)	YES	NO	A																																	
J							42410-8600	8 POS. BODY	6	.062/(1.57)	NO	YES	A																																	
							42410-8602	↑	↑	.062/(1.57)	NO	NO	A																																	
							42410-8648	↑	↑	.062/(1.57)	YES	YES	A																																	
							42410-8650	↑	↑	.062/(1.57)	YES	NO	A																																	
							42410-8792	↑	↑	.125/(3.18)	NO	YES	A																																	
I	SIZE 6 VERTICAL MODJACK ASSEMBLIES						42410-8794	↑	↑	.125/(3.18)	NO	NO	A																																	
	PART CHARACTERISTICS						42410-8840	↓	↓	.125/(3.18)	YES	YES	A																																	
	ASSEMBLY ITEM NUMBER	EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P.C. BOARD THICKNESS	MOUNTING EARS OPTION	TERMINAL PLATING OPTION	42410-8842	8 POS. BODY	6	.125/(3.18)	YES	NO	A																																	
	42410-6168	6 POS. BODY	6	.062/(1.57)	YES	A	42410-8888	8 POS. BODY	4	.062/(1.57)	NO	YES	A																																	
	42410-6170	↑	↑	.062/(1.57)	NO	A	42410-8890	↑	↑	.062/(1.57)	NO	NO	A																																	
H	42410-6264	↓	↓	.125/(3.18)	YES	A	42410-8936	↑	↑	.062/(1.57)	YES	YES	A																																	
	42410-6266	6 POS. BODY	6	.125/(3.18)	NO	A	42410-8938	↑	↑	.062/(1.57)	YES	NO	A																																	
	42410-6312	6 POS. BODY	4	.062/(1.57)	YES	A	42410-9080	↑	↑	.125/(3.18)	NO	YES	A																																	
G	42410-6314	↑	↑	.062/(1.57)	NO	A	42410-9082	↑	↑	.125/(3.18)	NO	NO	A																																	
	42410-6320	↑	↑	.062/(1.57)	YES	B	42410-9128	↓	↓	.125/(3.18)	YES	YES	A																																	
	42410-6408	↓	↓	.125/(3.18)	YES	A	42410-9130	8 POS. BODY	4	.125/(3.18)	YES	NO	A																																	
	42410-6410	6 POS. BODY	4	.125/(3.18)	NO	A	42410-9176	8 POS. BODY	2	.062/(1.57)	NO	YES	A																																	
	42410-6456	6 POS. BODY	2	.062/(1.57)	YES	A	42410-9178	↑	↑	.062/(1.57)	NO	NO	A																																	
F	42410-6458	↑	↑	.062/(1.57)	NO	A	42410-9224	↑	↑	.062/(1.57)	YES	YES	A																																	
	42410-6552	↓	↓	.125/(3.18)	YES	A	42410-9226	↑	↑	.062/(1.57)	YES	NO	A																																	
	42410-6554	6 POS. BODY	2	.125/(3.18)	NO	A	42410-9368	↑	↑	.125/(3.18)	NO	YES	A																																	
E							42410-9370	↑	↑	.125/(3.18)	NO	NO	A																																	
							42410-9416	8 POS. BODY	2	.125/(3.18)	YES	YES	A																																	
							42410-9418	8 POS. BODY	2	.125/(3.18)	YES	NO	A																																	
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1b_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 REV										QUALITY SYMBOLS ▽.0 ▽.0		GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ±.000 ±.000 3 PLACES ±.000 ±.000 2 PLACES ±.000 ±.000 1 PLACE ±.000 ±.000 ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SCALE --- DESIGN UNITS INCH DIMENSION STYLE IN/MM DRAWN BY DATE 1990/10/12 CHECKED BY DATE 1990/10/12 BAP DATE 1990/10/12 APPROVED BY DATE 1990/10/12 RAS		THIRD ANGLE PROJECTION REVISE ON CAD ONLY		TITLE ASSEMBLY, VERTICAL MODULAR JACKS		MATERIAL NO. SDA-42410-**** DOCUMENT NO. 4 OF 4 SHEET NO. 4 OF 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		D	

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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

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Комплексную поставку.
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- Формирование склада под заказчика.
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- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
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- 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