

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0438410003

Status:

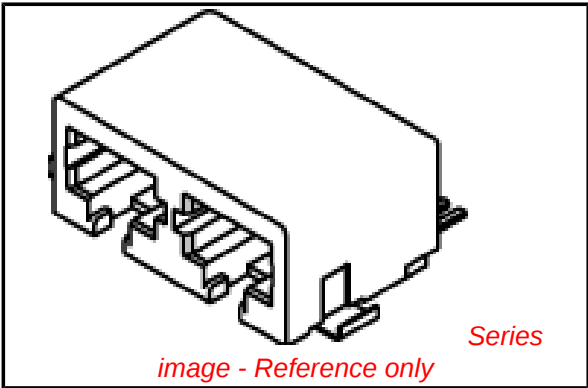
Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Right Angle, Low Profile, SMT, 8/8, 2 Ports



Documents:

3D Model

Drawing (PDF)

Product Specification PS-43743-0001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E107635

General

Product Family

Modular Jacks/Plugs

Series

43841

Comments

Outboard Solder Tabs

Component Type

PCB Jack

Magnetic

No

Overview

modular_plugs_jacks

Performance Category

3, 4

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

No

Lightpipes/LEDs

None

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Orientation

Right Angle (Side Entry)

PCB Locator

No

PCB Retention

Yes

Packaging Type

Embossed Tape on Reel

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

2

Positions / Loaded Contacts

8/8

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-40°C to +70°C

Termination Interface: Style

Surface Mount

Waterproof / Dustproof

No

Wire/Cable Type

N/A

Electrical

EU RoHS

China RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status



Not Halogen-Free

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

43841Series

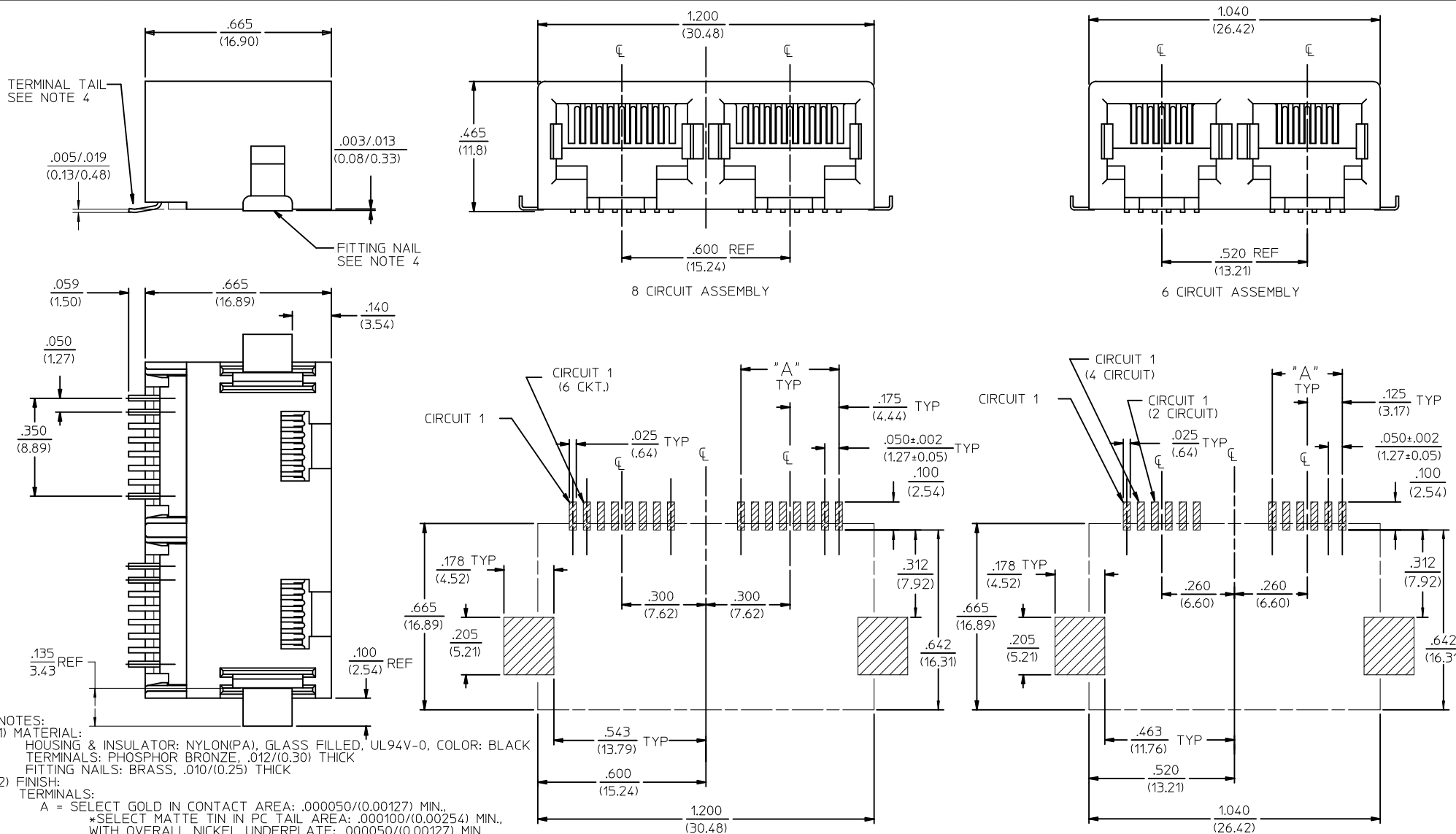
Mates With

FCC 68 Plugs

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	150V AC (RMS)
Solder Process Data	
Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	235
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-70873-700*
Product Specification	PS-43743-0001
Sales Drawing	SD-43841-001

This document was generated on 06/07/2010

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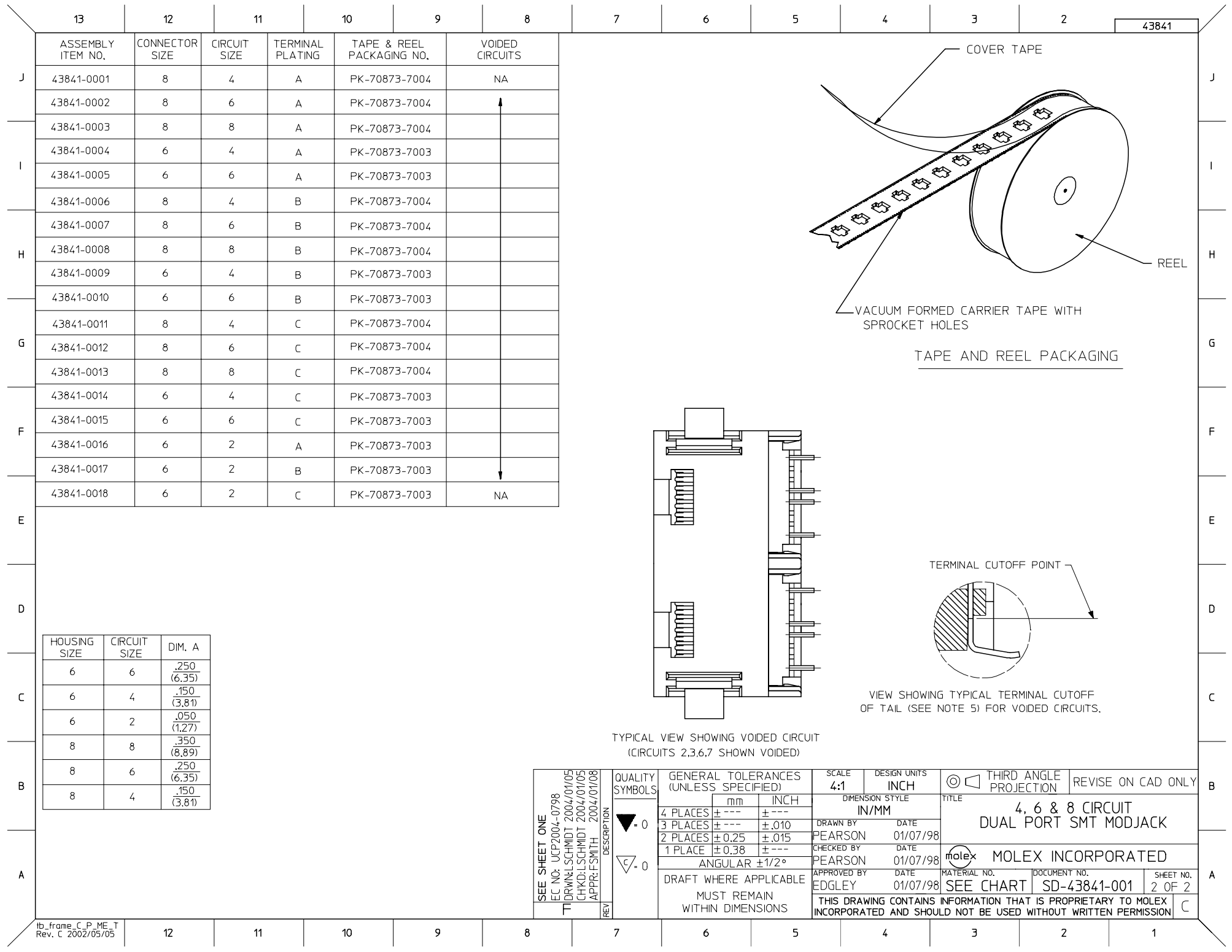


- NOTES:
- 1) MATERIAL:
HOUSING & INSULATOR: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE, .012/(0.30) THICK
FITTING NAILS: BRASS, .010/(0.25) THICK
- 2) FINISH:
TERMINALS:
A = SELECT GOLD IN CONTACT AREA: .000050/(0.00127) MIN.,
*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
B = SELECT GOLD IN CONTACT AREA: .000030/(0.00076) MIN.,
*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
C = SELECT GOLD IN CONTACT AREA: .000015/(0.00038) MIN.,
*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
FITTING NAILS:
*100 MICROINCHES MATTE TIN OVER 50 MICROINCHES NICKEL UNDERPLATE
*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 TAILS AND/OR FITTING NAILS.
- 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43743-0001.
- 4) PACKAGING SPECIFICATION:
CONNECTOR ASSEMBLIES TO BE PACKAGED USING TAPE & REEL SYSTEM.
- 5) COPLANARITY SPECIFICATION:
WHEN AN ASSEMBLY IS PLACED UPON A LEVEL SURFACE, THE MAXIMUM
GAP BETWEEN THE LEVEL SURFACE AND ALL TERMINAL TAILS AND
BOTH FITTING NAILS IS .006/(0.15).
- 6) FOR ASSEMBLIES HAVING VOIDED CIRCUITS, THE TAIL PORTION IS CUT
AND REMOVED, THE MATING PORTION OF THE TERMINAL REMAINS INTACT.
VOIDED CIRCUITS MUST BE THE SAME FOR BOTH PARTS.
- 7) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.

PC BOARD LAYOUT FOR
8 POSITION HOUSING
(COMPONENT SIDE OF BOARD)

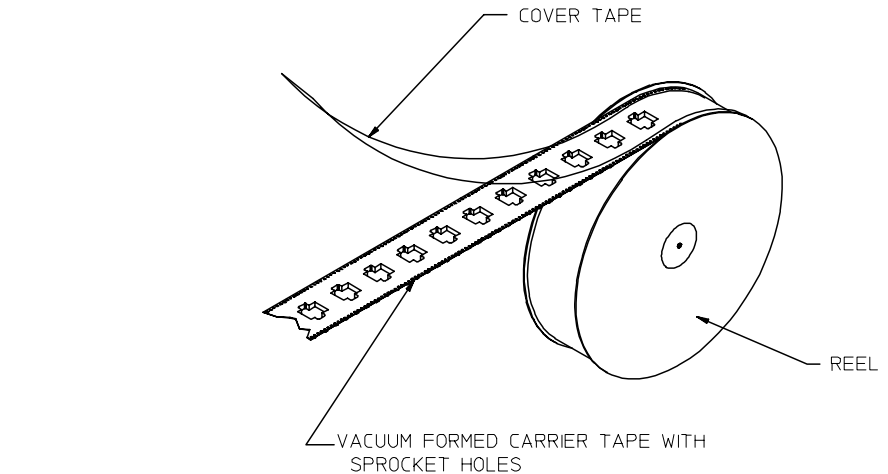
PC BOARD LAYOUT FOR
6 POSITION HOUSING
(COMPONENT SIDE OF BOARD)

REVISED NOTES EC NO: WCP2009-12/44 DRWN: JLOSTER/ER 2008/12/10 CHKD: JELL 2008/12/10 APPR: F33MTH 2008/12/10	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm INCH		DRAWN BY PEARSON	DATE 01/07/97	TITLE 4, 6 & 8 CIRCUIT DUAL PORT SMT MODJACK		
		4 PLACES ± --- ± ---		CHECKED BY MUELLER	DATE 01/07/97			
		3 PLACES ± --- ± .010		APPROVED BY EDGLEY	DATE 01/07/97			
2 PLACES ± .025 ± .015		ANGULAR ± 1/2°		MATERIAL NO.		DOCUMENT NO.		MOLEX INCORPORATED
1 PLACE ± .38 ± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-43841-001		
G2		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

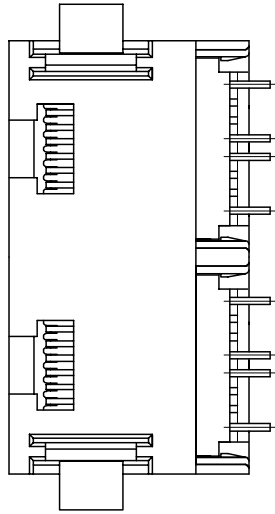


	13	12	11	10	9	8	7	6	5	4	3	2	43841
	ASSEMBLY ITEM NO.	CONNECTOR SIZE	CIRCUIT SIZE	TERMINAL PLATING	TAPE & REEL PACKAGING NO.	VOIDED CIRCUITS							
J	43841-0001	8	4	A	PK-70873-7004	NA							
	43841-0002	8	6	A	PK-70873-7004								
	43841-0003	8	8	A	PK-70873-7004								
I	43841-0004	6	4	A	PK-70873-7003								
	43841-0005	6	6	A	PK-70873-7003								
	43841-0006	8	4	B	PK-70873-7004								
H	43841-0007	8	6	B	PK-70873-7004								
	43841-0008	8	8	B	PK-70873-7004								
	43841-0009	6	4	B	PK-70873-7003								
	43841-0010	6	6	B	PK-70873-7003								
G	43841-0011	8	4	C	PK-70873-7004								
	43841-0012	8	6	C	PK-70873-7004								
	43841-0013	8	8	C	PK-70873-7004								
	43841-0014	6	4	C	PK-70873-7003								
F	43841-0015	6	6	C	PK-70873-7003								
	43841-0016	6	2	A	PK-70873-7003								
	43841-0017	6	2	B	PK-70873-7003								
	43841-0018	6	2	C	PK-70873-7003	NA							

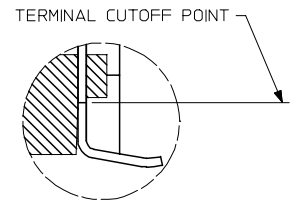
HOUSING SIZE	CIRCUIT SIZE	DIM. A
6	6	.250 (6.35)
6	4	.150 (3.81)
6	2	.050 (1.27)
8	8	.350 (8.89)
8	6	.250 (6.35)
8	4	.150 (3.81)



TAPE AND REEL PACKAGING



TYPICAL VIEW SHOWING VOIDED CIRCUIT
(CIRCUITS 2,3,6,7 SHOWN VOIDED)



VIEW SHOWING TYPICAL TERMINAL CUTOFF
OF TAIL (SEE NOTE 5) FOR VOIDED CIRCUITS.

SEE SHEET ONE EC NO: UCP2004-0798 TDRW:LSCHMDT 2004/01/05 CHKD:LSCHMDT 2004/01/05 APPR:FSMITH 2004/01/08	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 4:1 DESIGN UNITS INCH DIMENSION STYLE IN/MM DRAWN BY PEARSON DATE 01/07/98 CHECKED BY PEARSON DATE 01/07/98 APPROVED BY EDGLEY DATE 01/07/98	THIRD ANGLE PROJECTION REVISE ON CAD ONLY TITLE 4, 6 & 8 CIRCUIT DUAL PORT SMT MODJACK MOLEX MOLEX INCORPORATED MATERIAL NO. DOCUMENT NO. SD-43841-001 SHEET NO. 2 OF 2

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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