

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0438410003

Status:

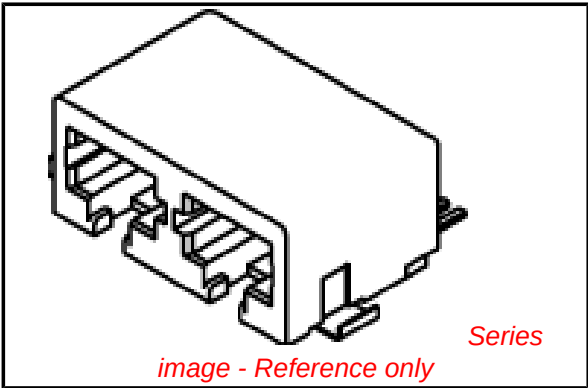
Active

Overview:

modular_plugs_jacks

Description:

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



Documents:	
3D Model	Product Specification PS-43743-0001 (PDF)
Drawing (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

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

43841Series

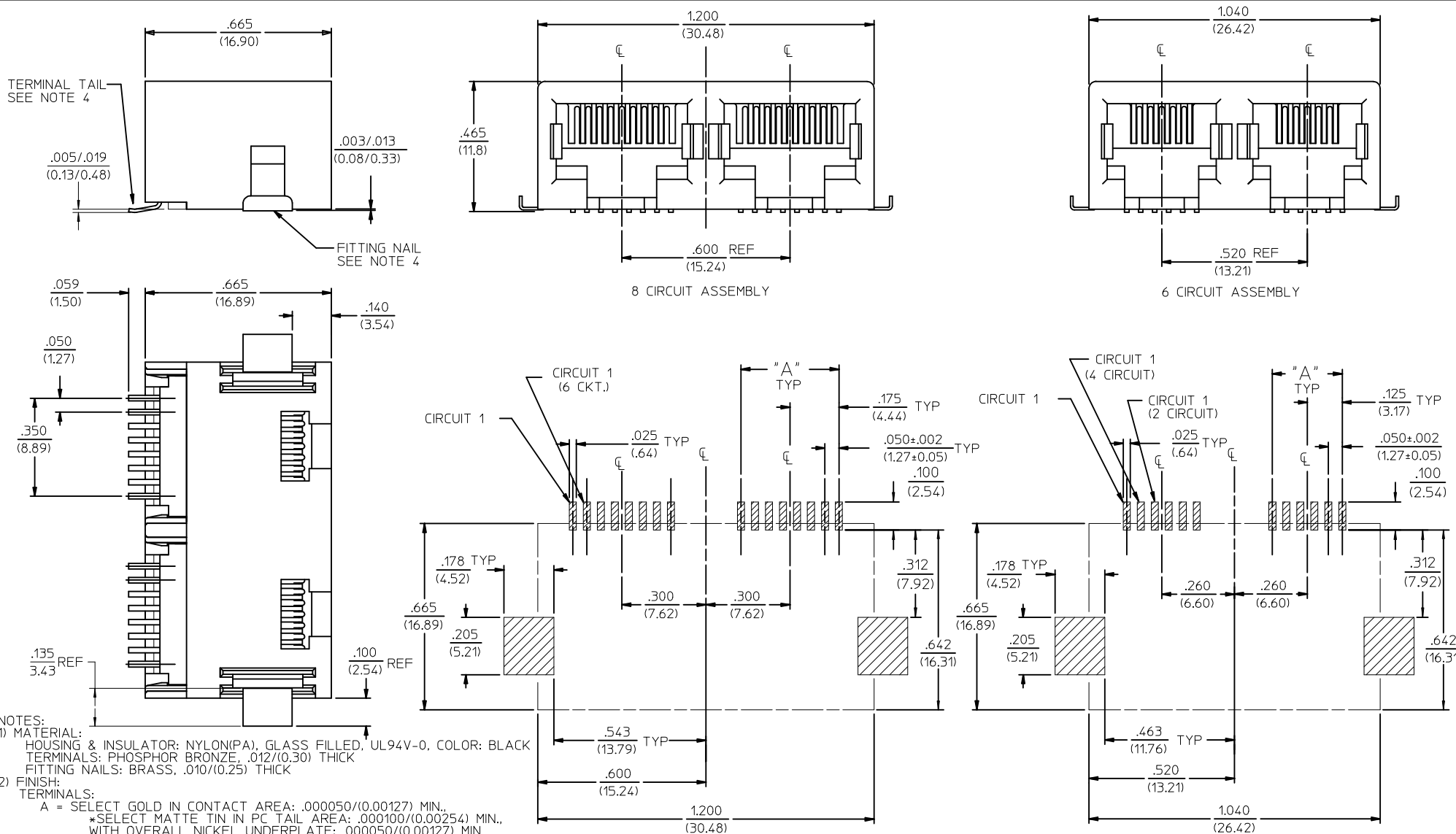
Mates With

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

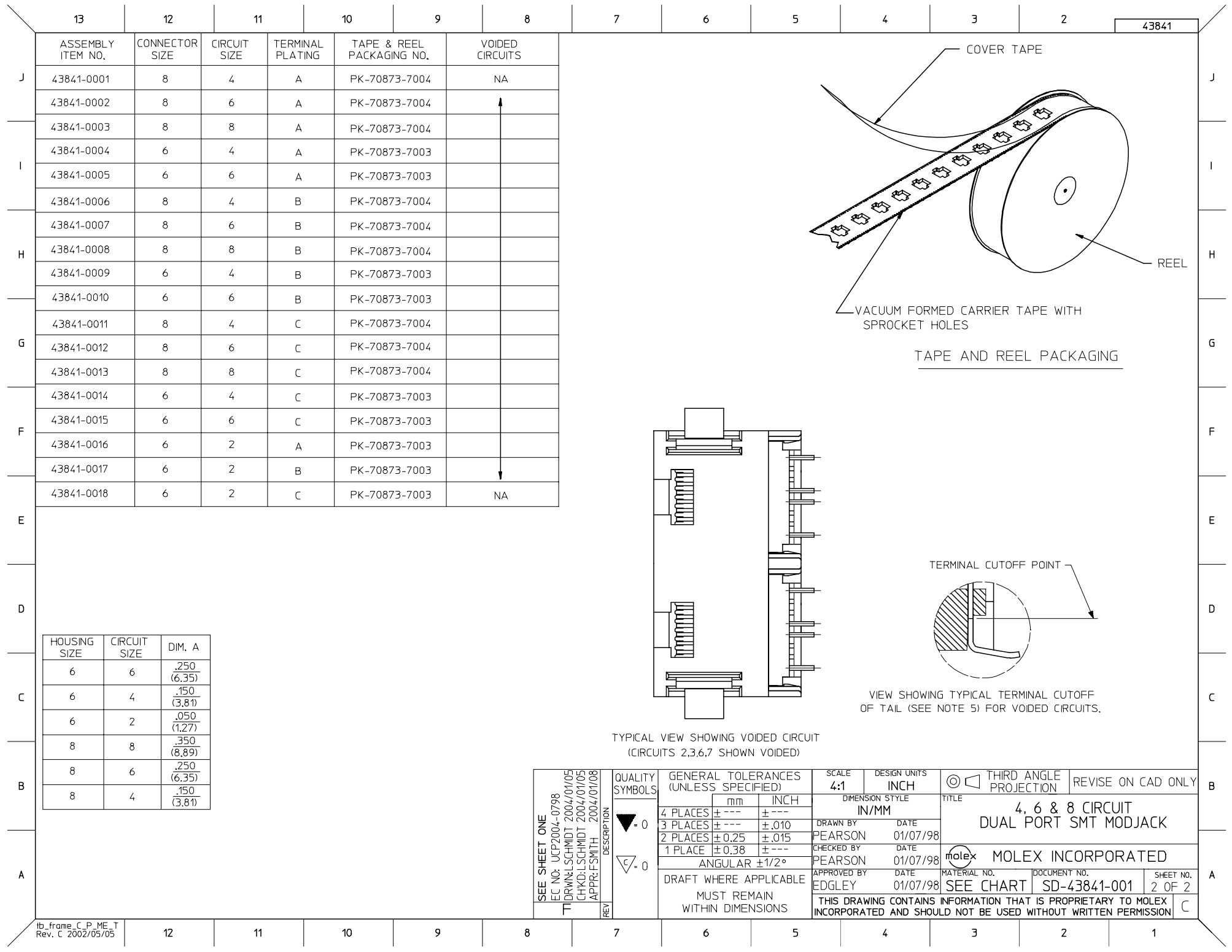


NOTES:
1) MATERIAL:
HOUSING & INSULATOR: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE, .012/(0.30) THICK
FITTING NAILS: BRASS, .010/(0.25) THICK
2) FINISH:
TERMINALS:
A = SELECT GOLD IN CONTACT AREA: .000050/(0.00127) MIN.,
*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) 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)

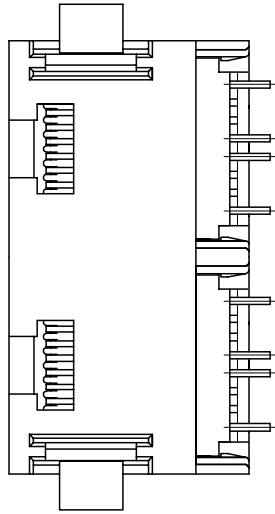
PC BOARD LAYOUT FOR
6 POSITION HOUSING
(COMPONENT SIDE OF BOARD)

REVISED NOTES EC NO: WCP2009-12/44 DRAWN: 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	MOLEX INCORPORATED		
		3 PLACES ± --- ± .010		APPROVED BY EDGLEY	DATE 01/07/97			
2 PLACES ± .025 ± .015		ANGULAR ± 1/2°		SEE SHEET 2		DOCUMENT NO. SD-43841-001	SHEET NO. 1 OF 2	
1 PLACE ± .38 ± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

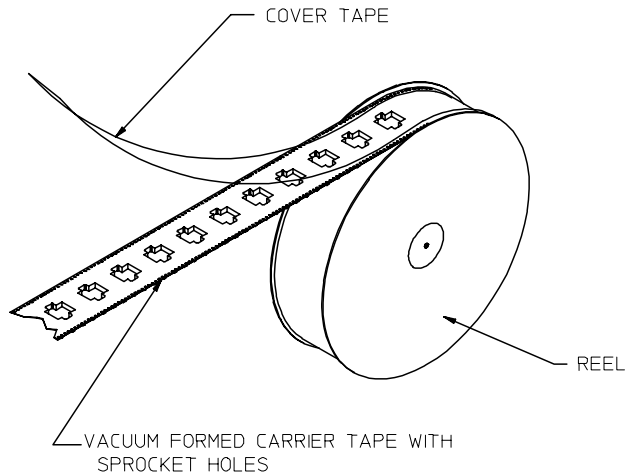


	13	12	11	10	9	8	7	6	5	4	3	2	43841
	ASSEMBLY ITEM NO.	CONNECTOR SIZE	CIRCUIT SIZE	TERMINAL PLATING	TAPE & REEL PACKAGING NO.	VOIDED CIRCUITS							
J	43841-0001	8	4	A	PK-70873-7004	NA							
	43841-0002	8	6	A	PK-70873-7004								
	43841-0003	8	8	A	PK-70873-7004								
I	43841-0004	6	4	A	PK-70873-7003								
	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							

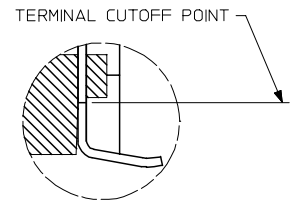
HOUSING SIZE	CIRCUIT SIZE	DIM. A
6	6	.250 (6.35)
6	4	.150 (3.81)
6	2	.050 (1.27)
8	8	.350 (8.89)
8	6	.250 (6.35)
8	4	.150 (3.81)



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



TAPE AND REEL PACKAGING



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

SEE SHEET ONE EC NO: UCP2004-0798 TDRWNLSCMDT 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



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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.