

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0751341000](#)
Status: **Active**
Overview: [dms59](#)
Description: 1.27mm (.050") Pitch DMS-59® Receptacle, Shielded, Right Angle

Documents:
[3D Model](#) [Product Specification PS-75134-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	75134
Application	Wire-to-Board
Component Type	Receptacle
Overview	dms59
Product Name	DMS59®
Type	N/A

Physical

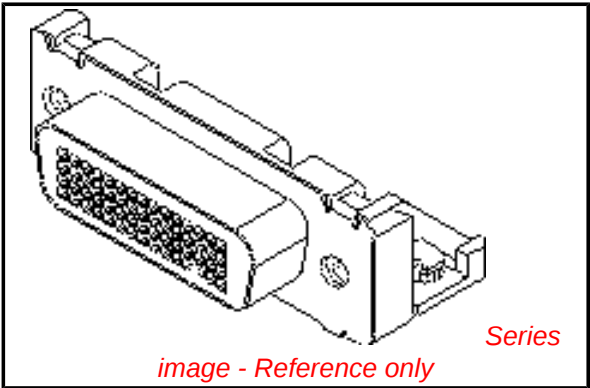
Circuits (Loaded)	59
Circuits (maximum)	59
Color - Resin	Black
Lock to Mating Part	Yes
Material - Metal	Beryllium Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Right Angle
PC Tail Length (in)	0.092 In
PC Tail Length (mm)	2.34 mm
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Panel Mount	Yes
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +80°C
Termination Interface: Style	Surface Mount
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	1A
Shielded	Yes
Voltage - Maximum	40V

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



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
[75134Series](#)

Mates With
[75135](#)

Use With
[70982](#) Panel Mount Hex Screw Kit

Process Temperature max. C245

Material Info

Reference - Drawing Numbers

Packaging SpecificationPK-70873-0291

Product SpecificationPS-75134-001

Sales DrawingSD-75134-001

This document was generated on 05/28/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

13	12	11	10	9	8	7	6	5	4	3	2	1
ITEM NUMBER	DIMENSION "A"	HEXAGONAL SCREWLOCKS PACKAGED WITH CONNECTORS	SCREWLOCK ITEM NUMBER (SEE SD-70982-****)	PACKAGED PER PACKAGING SPECIFICATION								
75134-1000	.092±.010/2.34±0.25	NO		PK-70873-0291								
75134-1001	.092±.010/2.34±0.25	YES	70982-1003; 4-40 INTERNAL THD	PK-70873-0686								

NOTES:

1) MATERIALS:

HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94 V-0, COLOR NATURAL.
 STICK HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94 V-0, COLOR BLACK.
 TERMINALS: COPPER ALLOY.
 OUTER SHELL: DEEP DRAWN STEEL.
 HEXAGONAL SCREWLOCK: STEEL.

2) PLATING :

TERMINAL: SELECTIVE GOLD (Au) FLASH IN CONTACT AREA;
 THICKNESS= 2 TO 10 MICROINCHES/0.05 TO 0.25 MICROMETERS;
 SELECTIVE TIN (Sn) ALLOY IN THE PC TAIL AREA;
 THICKNESS=100 MICROINCHES/2.54 MICROMETERS MINIMUM;
 NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.

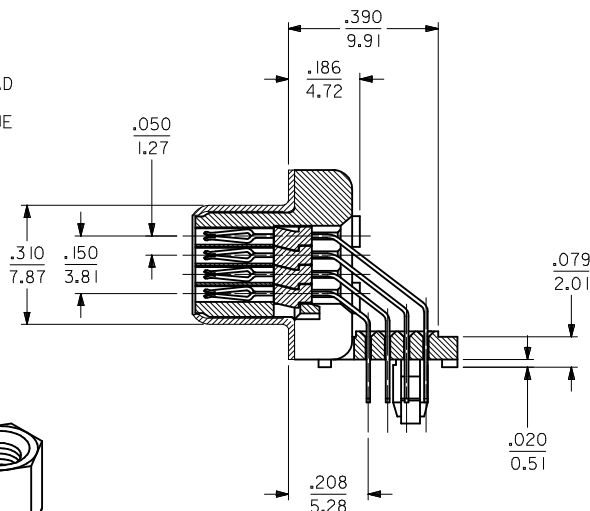
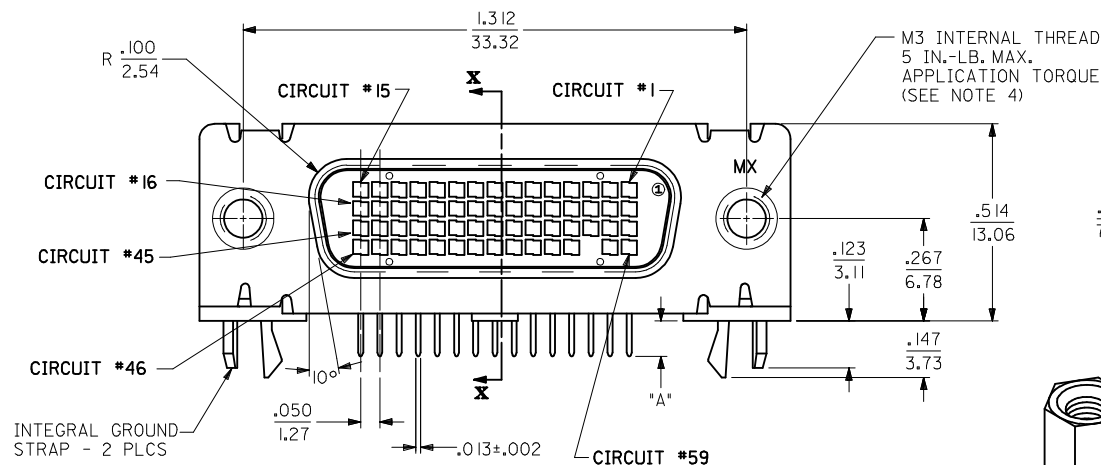
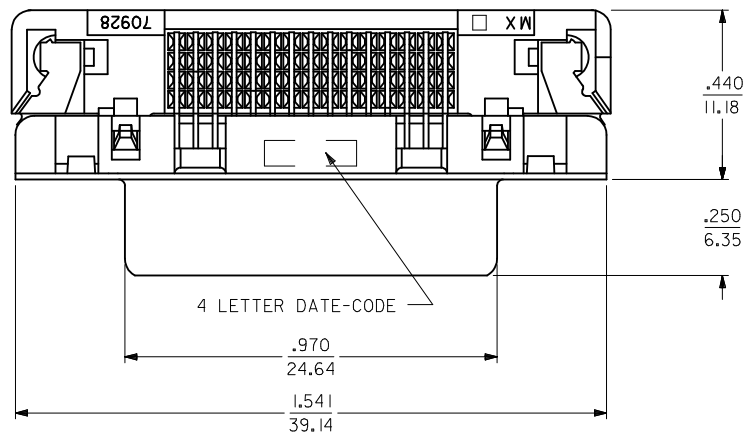
OUTER SHELL: 150 MICROINCHES/3.81 MICROMETERS MINIMUM OF BRIGHT TIN
 OVER 50 MICROINCHES/1.27 MICROMETERS MINIMUM OF NICKEL
 OVER COPPER FLASH (OPTIONAL).

3) CONFORMS TO PRODUCT SPECIFICATION PS-75134-001.

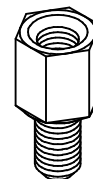
4) THREAD GAGE MAY REQUIRE UP TO 1 INCH-POUND/0.113 NEWTON-METER OF TORQUE DURING GAGING PROCESS.

5) SEE CHART FOR PACKAGING.

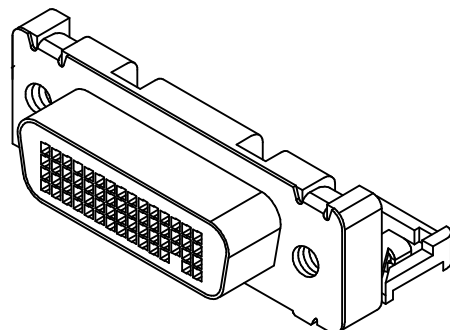
6) PART COMPLIES WITH CLASS B OF COSMETIC SPECIFICATION PS-45499-002



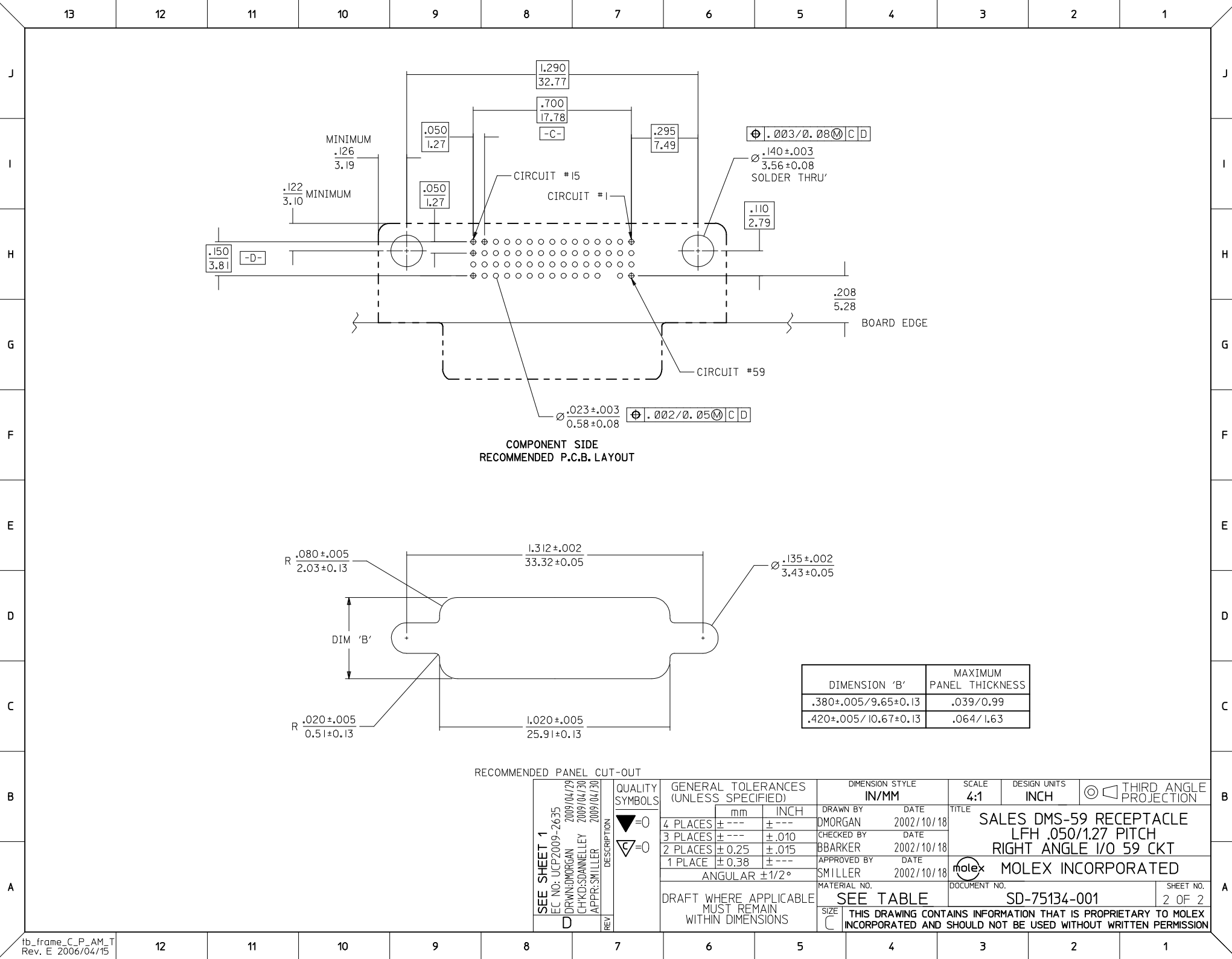
SECTION X-X



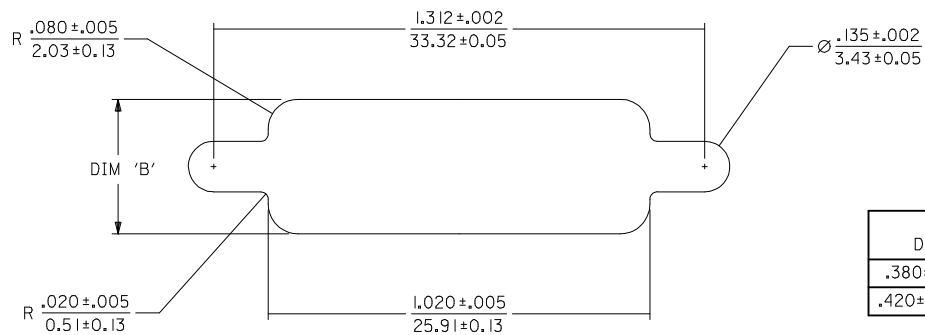
OPTIONAL
HEXAGONAL SCREWLOCK



MODIFY T/A ACTUAL EC NO: UCP2009-2635 DRWN:DMORGAN 2009/04/29 CHKD:SDANIELLEY 2009/04/30 APPR:SMILLER 2009/04/30	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
				mm		INCH		DRAWN BY		DATE		TITLE	
				4 PLACES ± ---		± ---		DMORGAN		2002/10/18		SALES DMS-59 RECEPTACLE LFH .050/1.27 PITCH RIGHT ANGLE I/O 59 CKT	
				3 PLACES ± ---		± .010		CHECKED BY		DATE			
				2 PLACES ± 0.25		± .015		BBARKER		2002/10/18		MOLEX INCORPORATED	
				1 PLACE ± 0.38		± ---		APPROVED BY		DATE			
				ANGULAR ±1/2°		SMILLER		2002/10/18		MOLEX			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
						SEE TABLE		SD-75134-001		1 OF 2			
						SIZE		C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



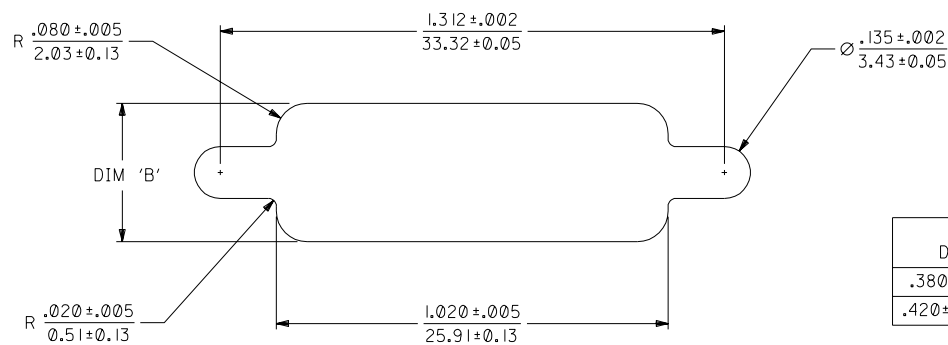
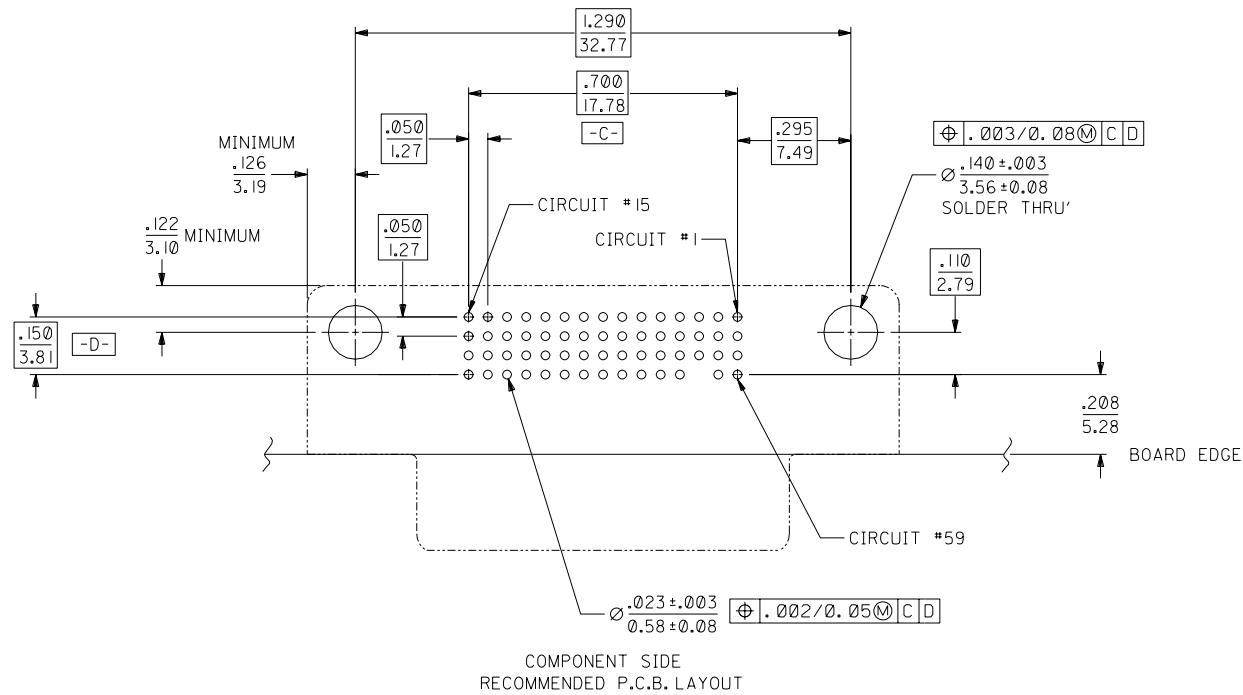
COMPONENT SIDE
RECOMMENDED P.C.B. LAYOUT



DIMENSION 'B'	MAXIMUM PANEL THICKNESS
.380±.005/9.65±0.13	.039/0.99
.420±.005/10.67±0.13	.064/1.63

RECOMMENDED PANEL CUT-OUT

SEE SHEET 1 EC NO: UCP2009-2635 DRAWN:DMORGAN 2009/04/29 CHKD:S.DANNELLEY 2009/04/30 APPR:SMILLER 2009/04/30	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY DMORGAN	DATE 2002/10/18	TITLE SALES DMS-59 RECEPTACLE LFH .050/1.27 PITCH RIGHT ANGLE I/O 59 CKT MOLEX MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY BBARKER	DATE 2002/10/18			
			3 PLACES	± ---	± .010	APPROVED BY SMILLER	DATE 2002/10/18			
			2 PLACES	± 0.25	± .015	MATERIAL NO. SEE TABLE				DOCUMENT NO. SD-75134-001
			1 PLACE	± 0.38	± ---	SHEET NO. 2 OF 2				
			ANGULAR ±1/2°							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
			SIZE C							



DIMENSION 'B'	MAXIMUM PANEL THICKNESS
.380±.005/9.65±0.13	.039/0.99
.420±.005/10.67±0.13	.064/1.63

INITIAL RELEASE EC NO. UCP2003-0543 DRWN:DMORGAN 02/10/18 CHK: BBARKER 02/10/18 APPR: SMILLER 02/10/18	DESCRIPTION MAJOR CRITICAL	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS ☐ mm ☒ INCH	DIMENSIONS: ☐ mm ☒ INCH ☐ mm ONLY		SHT	REV
			4 PLACES ±0. ±.	DRAWN BY & DATE DMORGAN 02/10/18	THIRD ANGLE PROJECTION		TITLE: SALES DMS-59 RECEPTALCE LFH .050/1.27 PITCH RIGHT ANGLE I/O 59 CKT			
			3 PLACES ±0. ±.010	CHECKED BY & DATE BBARKER 02/10/18	MATERIAL NO. SEE CHART		DRAWING NO. SD-75134-001		SHEET NO. 2	
			2 PLACES ±0.25 ±.015	APPROVED BY & DATE SMILLER 02/10/18	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE C			
1 PLACE ±0.38 ±.	ANGULAR: ±1/2°		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

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.