

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0445600001

Status:

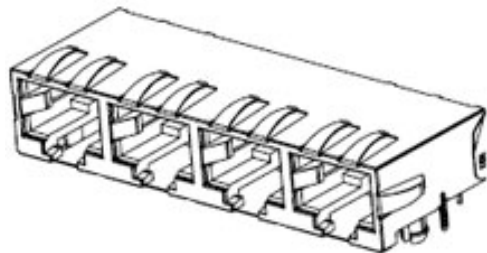
Active

Overview:

[modular_plugs_jacks](#)

Description:

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



Series

image - Reference only

Documents:

- [3D Model](#)
- [Packaging Specification \(PDF\)](#)
- [Drawing \(PDF\)](#)
- [Test Summary \(PDF\)](#)
- [Product Specification PS-44560-003 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Modular Jacks/Plugs
Series	44560
Component Type	PCB Jack
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	5e
Power over Ethernet (PoE)	N/A
Product Name	RJ45

Physical

Color - Resin	Black
Durability (mating cycles max)	500
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 Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
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	Through Hole
Wire/Cable Type	N/A

Electrical

Current - Maximum per Contact	1.5A
Grounding to Panel	Unshielded
Shielded	No
Voltage - Maximum	150V

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	260

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
44560Series

Mates With
FCC 68 Plugs

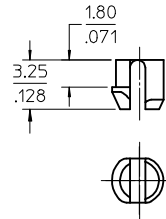
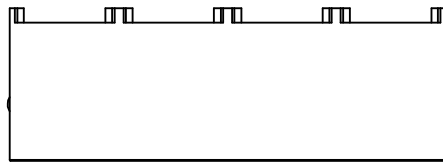
Material Info

Reference - Drawing Numbers

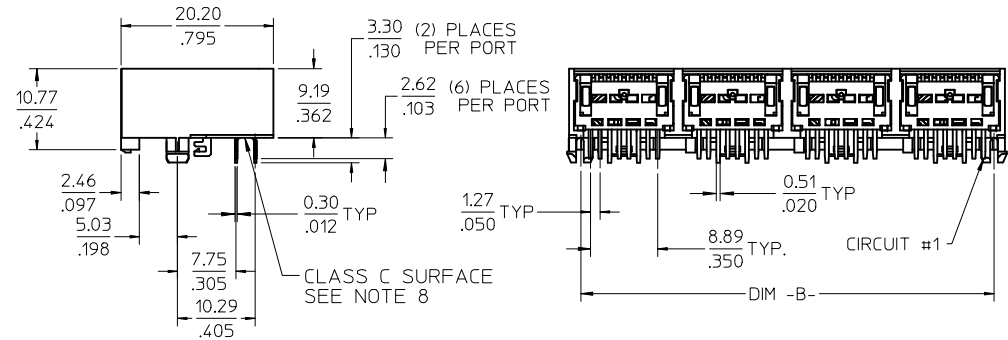
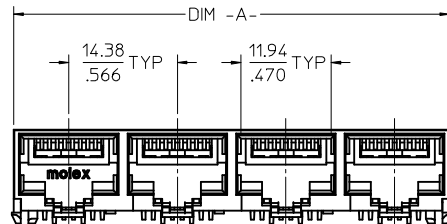
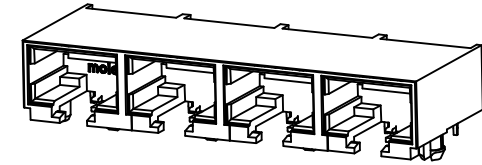
Packaging Specification	PK-44560-004
Product Specification	PS-44560-003, RPS-44560-004
Sales Drawing	SD-44560-001
Test Summary	TS-44560-003

This document was generated on 06/08/2010

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PEG DETAIL
SCALE 4:1



NOTES:

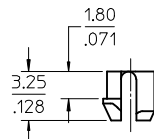
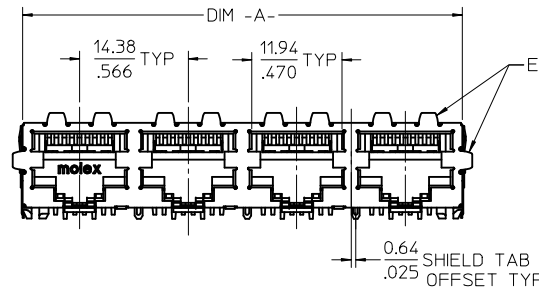
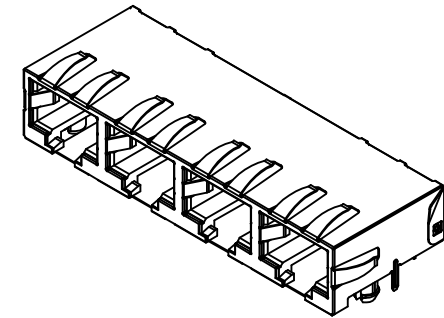
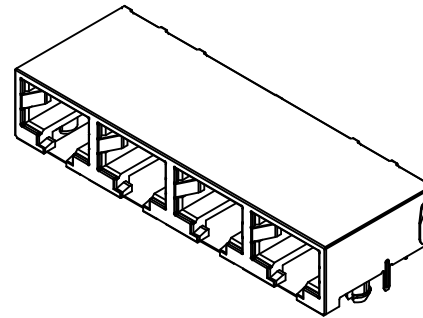
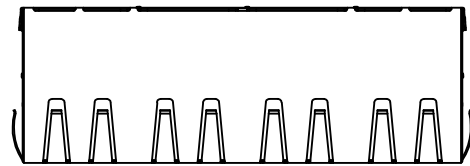
- 1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
- 2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (1.27 MICROMETERS) MIN.,
SELECT MATTE TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (1.27 MICROMETERS) MIN.
- 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-44560-003.
- 4) PACKAGING SPECIFICATION:
2 PORT: CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING SPECIFICATION PK-44560-004
4 PORT: CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING SPECIFICATION PK-44560-005
- 5) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
- 6) SEE SHEET (4) OF (4) FOR RECOMMENDED PANEL OPENING AND PCB LAYOUT.
- 7) TERMINAL LENGTHS MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.
- 8) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF THE SURFACE INDICATED, WHICH IS A CLASS C SURFACE.
- 9) THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC.

UPDATE NOTES	
EC NO: UCP2009-2791	2009/07/06
DRWN: BELL	2009/07/22
CHKD: MKIPPER	2009/07/23
APPR: FSMITH	2009/07/23
REV	DESCRIPTION
G2	

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ±---	±---
3 PLACES ±---	±.012
2 PLACES ±0.30	±---
1 PLACE ±---	±---
ANGULAR ±1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

ASSEMBLY MATERIAL NUMBER		NUMBER OF PORTS	DIM -A-	DIM -B-
445600001		2	28.96/1.140	25.68/1.011
445600003		4	57.71/2.272	54.43/2.143
DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
DRAWN BY DATE MKAMAR 00/03/28		TITLE COMPACT GANGED CATEGORY 5E MODJACK		
CHECKED BY DATE MKAMAR 00/03/28				
APPROVED BY DATE JROBERTS 00/03/28		MOLEX MOLEX INCORPORATED		
MATERIAL NO. SEE CHART		DOCUMENT NO. SD-44560-001		SHEET NO. 1 OF 4
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



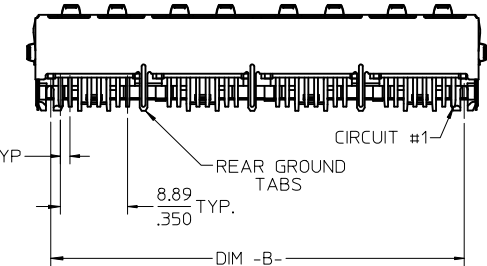
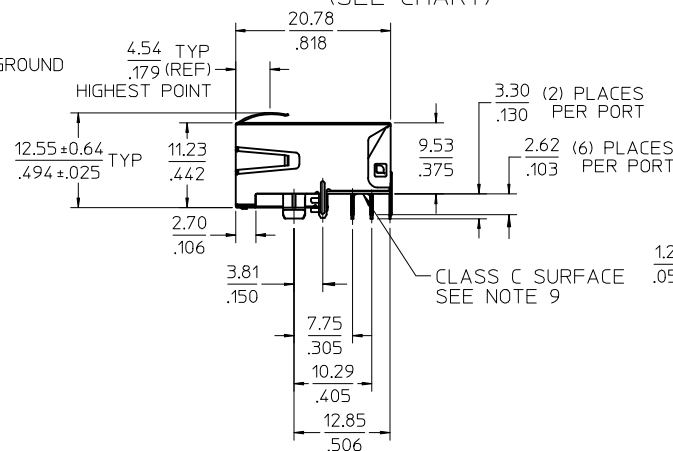
PEG DETAIL
SCALE 4:1

NOTES:

- 1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
SHIELD: BRASS, .007/(0.18) THICK
- 2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (1.27 MICROMETERS) MIN.,
SELECT MATTE TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (1.27 MICROMETERS) MIN.
SHIELD:
100 MICROINCHES (2.54 MICROMETERS) NICKEL OVER 50 MICROINCHES
(1.27 MICROMETERS) COPPER UNDERPLATE, PCB GROUND TABS DIPPED IN TIN.
- 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-44560-003.
- 4) PACKAGING SPECIFICATION:
2 PORT: CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING SPECIFICATION
PK-44560-004
4 PORT: CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING SPECIFICATION
PK-44560-005
- 5) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
- 6) ENHANCED GROUND TABS SHIELD (OPTION -B-) IS SHOWN IN THIS DRAWING. (SEE CHART)
- 7) SEE SHEET (4) OF (4) FOR RECOMMENDED PANEL OPENING AND PCB LAYOUT.
- 8) TERMINAL LENGTHS MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.
- 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF THE SURFACE INDICATED, WHICH IS A CLASS C SURFACE.
- 10) THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC.

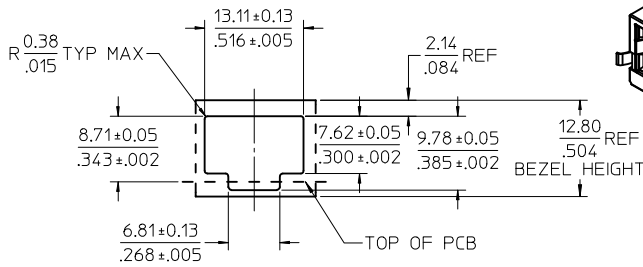
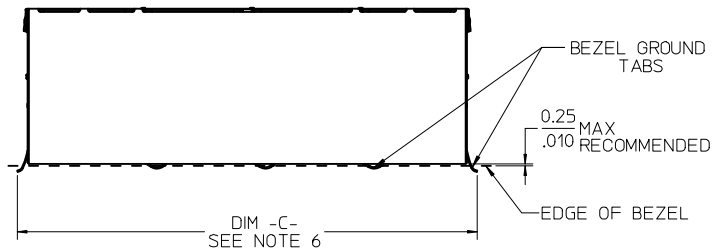
SHIELDING OPTION -A-
STANDARD SHIELD
(SEE CHART)

SHIELDING OPTION -B-
ENHANCED GROUND TABS
(SEE CHART)

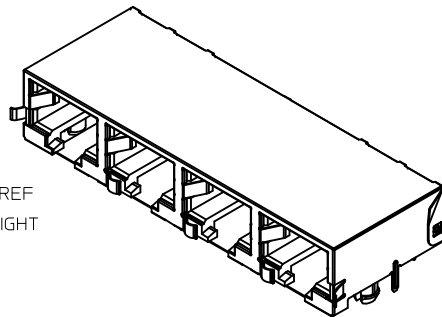


ASSEMBLY MATERIAL NUMBER	SHIELDING OPTION	NUMBER OF REAR GROUND TABS	NUMBER OF PORTS	DIM -A-	DIM -B-
445600002	A	1	2	29.44/1.159	25.68/1.011
445600004	A	3	4	58.19/2.291	54.43/2.143
445600012	B	1	2	29.44/1.159	25.68/1.011
445600014	B	3	4	58.19/2.291	54.43/2.143

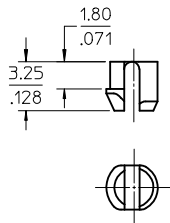
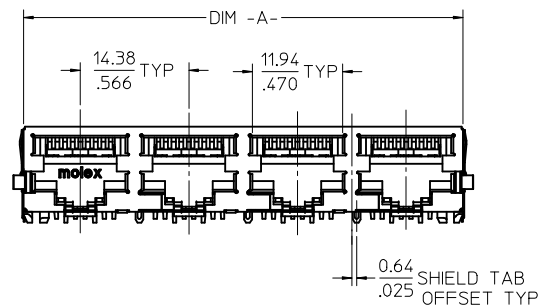
UPDATE NOTES EC NO: UCP2009-2791 DRWN:JBELL 2009/07/06 CHKD:MKIPPER 2009/07/22 APPR:FSMITH 2009/07/23 REV G2	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .012 2 PLACES ± 0.30 ± --- 1 PLACE ± --- ± --- ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	COMPACT GANGED CATEGORY 5E MODJACK			
				DRAWN BY MKAMAR	DATE 00/03/28	TITLE MOLEX MOLEX INCORPORATED						
				CHECKED BY MKAMAR	DATE 00/03/28							
				APPROVED BY JROBERTS	DATE 00/03/28							
				MATERIAL NO. SEE CHART							DOCUMENT NO. SD-44560-001	SHEET NO. 2 OF 4
				SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



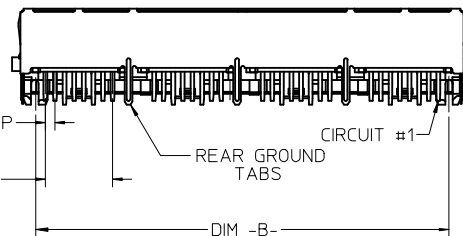
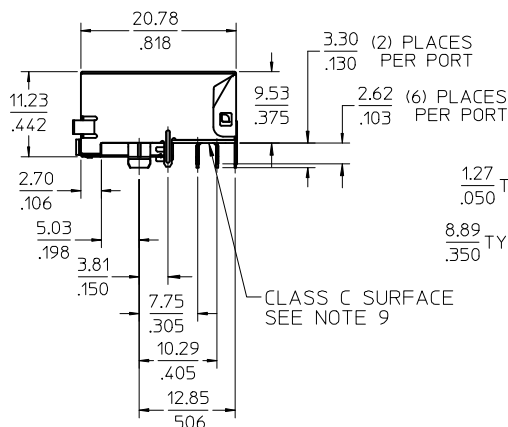
RECOMMENDED
PANEL OPENING
(EACH PORT)
FOR PMC BEZEL ONLY



SHIELDING OPTION -C-
BEZEL GROUND TABS



PEG DETAIL
SCALE 4:1

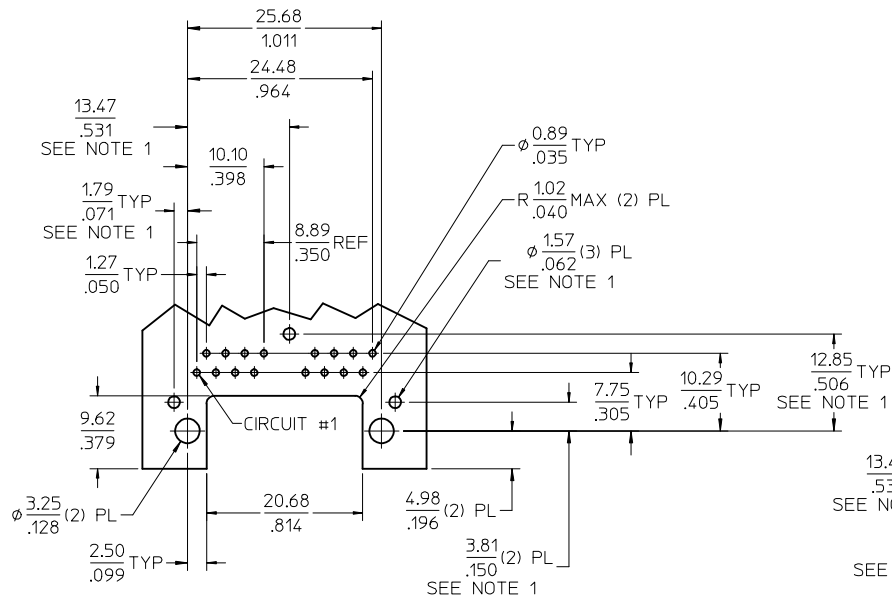


NOTES:

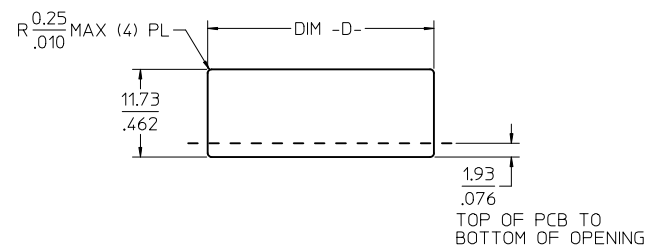
- 1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
SHIELD: BRASS, .007(0.18) THICK
- 2) FINISH:
TERMINALS:
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WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (1.27 MICROMETERS) MIN.
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- 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-44560-003.
- 4) PACKAGING SPECIFICATION:
2 PORT: CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING SPECIFICATION
PK-44560-004
4 PORT: CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING SPECIFICATION
PK-44560-005
- 5) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
- 6) THIS DIMENSION HAS A MAXIMUM OF 34.82/1.371 FOR THE (2) PORT PART AND
63.57/2.503 FOR THE (4) PORT PART WHEN THE JACK IS INSTALLED BEHIND
THE BEZEL.
- 7) SEE SHEET (4) OF (4) FOR RECOMMENDED PCB LAYOUT.
- 8) TERMINAL LENGTHS MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.
- 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF THE SURFACE
INDICATED, WHICH IS A CLASS C SURFACE.
- 10) THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX
II OF DIRECTIVE 2000/53/EC.

ASSEMBLY MATERIAL NUMBER	SHIELDING OPTION	NUMBER OF REAR GROUND TABS	NUMBER OF PORTS	DIM -A-	DIM -B-	DIM -C-
445600022	C	1	2	29.44/1.159	25.68/1.011	32.13/1.265
445600024	C	3	4	58.19/2.291	54.43/2.143	60.88/2.397

UPDATE NOTES EC NO: UCP2009-2791 DRWN:JBELL 2009/07/06 CHKD:MK IPPER 2009/07/22 APPR:FSMITH 2009/07/23	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
				MM/IN		2:1	INCH	
				DRAWN BY DATE		TITLE		
				MKAMAR 00/03/28		COMPACT GANGED CATEGORY 5E MODJACK		
				CHECKED BY DATE				
				MKAMAR 00/03/28				
				APPROVED BY DATE				
				JROBERTS 00/03/28		 MOLEX INCORPORATED		
				MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
				SEE CHART		SD-44560-001	3 OF 4	
G2	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

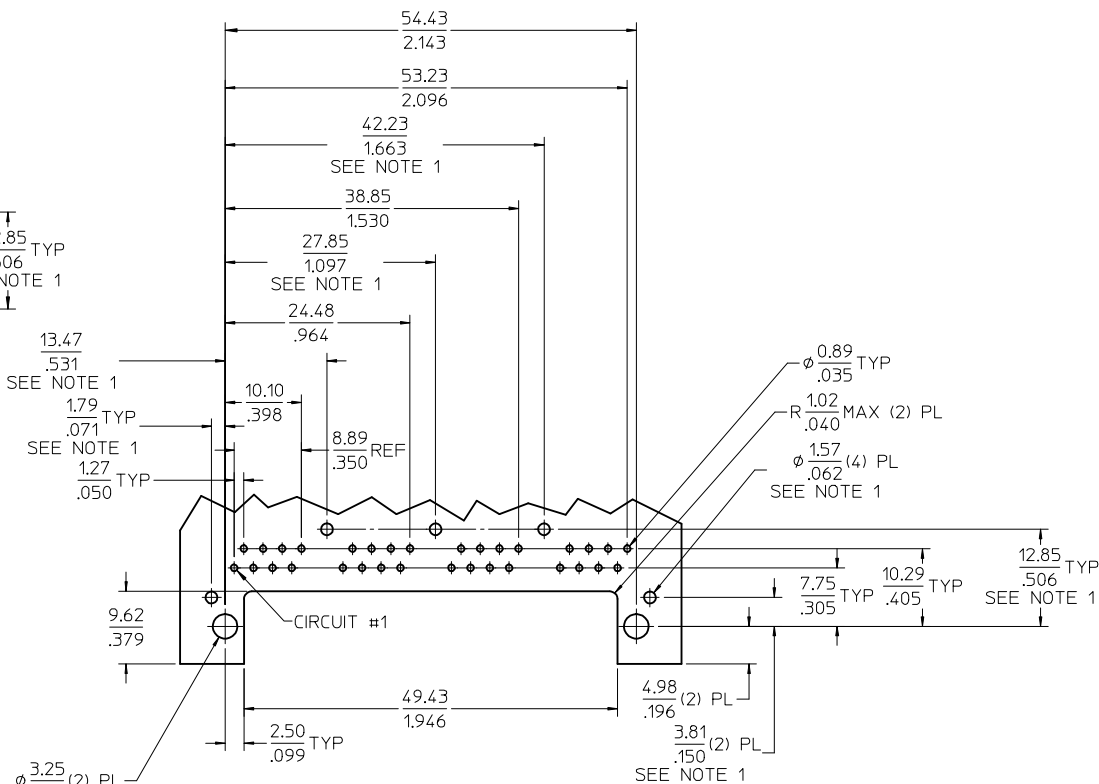


2 PORT ASSEMBLY
PCB LAYOUT : COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 1.57/.062
TOLERANCE $\pm .076/.003$ UNLESS OTHERWISE SPECIFIED

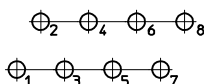


NUMBER OF PORTS	DIM -D-
2	30.20/1.189
4	58.95/2.321

RECOMMENDED
PANEL OPENING
SHIELDING OPTIONS
A AND B



4 PORT ASSEMBLY
PCB LAYOUT : COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 1.57/.062
TOLERANCE $\pm .076/.003$ UNLESS OTHERWISE SPECIFIED



TYPICAL PC TERMINAL HOLE LAYOUT
SCALE 5:1

NOTES:

1. DIMENSIONS REFER TO ASSEMBLIES WITH SHIELDING OPTION

SEE SHEET 1 EC NO: UCP2009-2791 DRWN:JBELL 2009/07/06 CHKD:MKIPPER 2009/07/22 APPR:FSMITH 2009/07/23	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY MKAMAR	DATE 00/03/28	TITLE COMPACT GANGED CATEGORY 5E MODJACK				
			4 PLACES	± ---	± ---	CHECKED BY MKAMAR	DATE 00/03/28					
			3 PLACES	± ---	± .012	APPROVED BY JROBERTS	DATE 00/03/28	MOLEX MOLEX INCORPORATED				
			2 PLACES	± 0.30	± ---	MATERIAL NO. N/A	DOCUMENT NO. SD-44560-001	SHEET NO. 4 OF 4				
G2	REV		1 PLACE ± --- ± --- ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

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