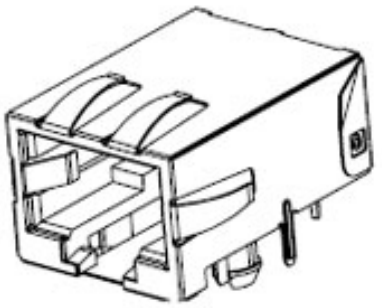
This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0446610021
Status: Active
Overview: modular_plugs_jacks
Description: Modular Jack, Right Angle, Low Profile, Shielded, 8/8



Series image - Reference only

Documents:

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

Agency Certification

CSA	LR19980
UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	44661
Comments	Bezel Shield
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
Flammability	94V-0
Inverted / Top Latch	No
Lightpipes/LEDs	None
Material - Metal	Brass, 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	1
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
Shielded	Yes
Voltage - Maximum	150V

Solder Process Data

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
44661Series

Mates With
FCC 68 Plugs

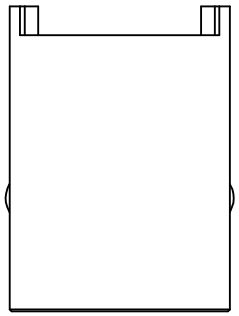
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

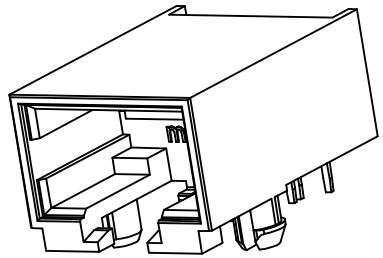
Reference - Drawing Numbers

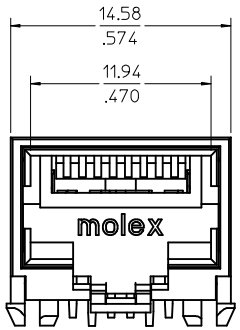
Packaging Specification	PK-44661-004
Product Specification	PS-44560-003, RPS-44560-004
Sales Drawing	SD-44661-001
Test Summary	TS-44560-003

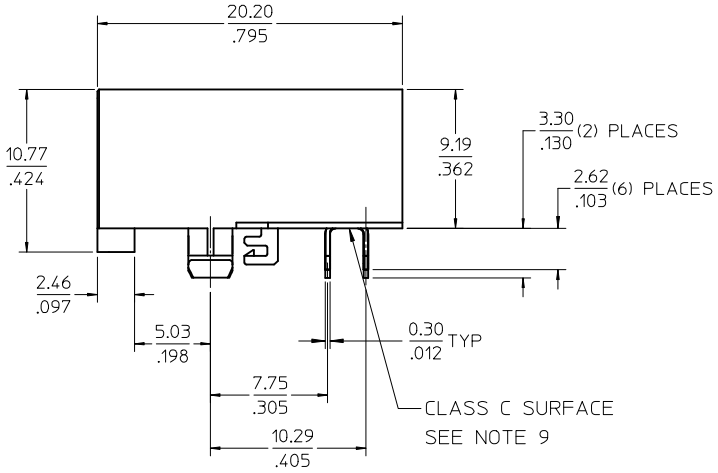
This document was generated on 05/24/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

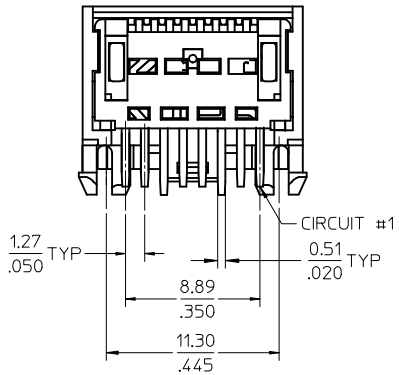


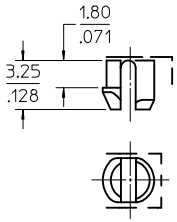
NOTES:
1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 1.27 MICROMETERS / 50 MICROINCHES MIN.,
SELECT MATTE TIN IN PC TAIL AREA: 2.54 MICROMETERS / 100 MICROINCHES MIN.,
WITH OVERALL NICKEL UNDERPLATE: 1.27 MICROMETERS / 50 MICROINCHES MIN.
3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-44560-003.
4) PACKAGING SPECIFICATION:
CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING SPECIFICATION PK-44661-004.
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) ASSEMBLY AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS. THIS DRAWING SHOWS SNAP-FIT PEGS.
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.



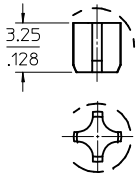








SNAP-FIT PEG



PRESS-FIT PEG

ASSEMBLY MATERIAL NUMBER	PEG STYLE
446610002	SNAP-FIT
446611002	PRESS-FIT

UPDATE NOTES
EC NO: UCP2009-2791 2009/07/06
DRWN:JBELL 2009/07/22
CH'KD:MKIPPER
APPR:FSMITH 2009/07/23
DESCRIPTION
G2
REV

QUALITY SYMBOLS
▼=0
▽C=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: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: MKAMAR DATE: 00/04/07
CHECKED BY: MKAMAR DATE: 00/04/07
APPROVED BY: JROBERTS DATE: 00/04/07

TITLE: COMPACT SINGLE PORT CATEGORY 5E MODJACK

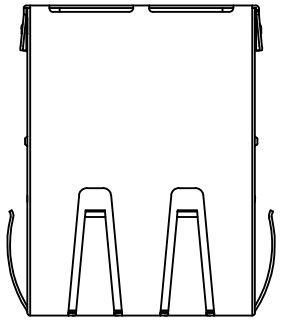
MOLEX INCORPORATED

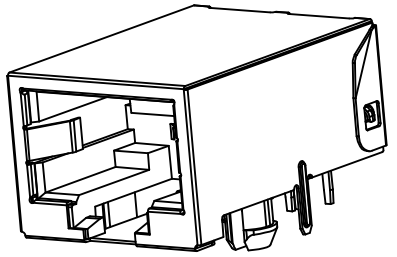
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-44661-001
SHEET NO.: 1 OF 4

SIZE: C

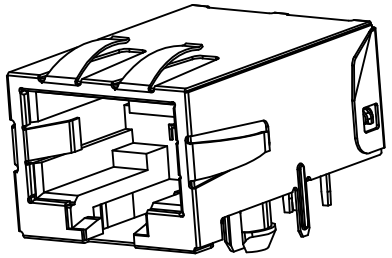
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

NOTES:
1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
SHIELD: BRASS, 0.18 / .007 THICK
2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 1.27 MICROMETERS / 50 MICROINCHES MIN.,
SELECT MATTE TIN IN PC TAIL AREA: 2.54 MICROMETERS / 100 MICROINCHES MIN.,
WITH OVERALL NICKEL UNDERPLATE: 1.27 MICROMETERS / 50 MICROINCHES MIN.
SHIELD:
2.54 MICROMETERS / 100 MICROINCHES NICKEL OVER 1.27 MICROMTERS /
50 MICROINCHES COPPER UNDERPLATE; PCB GROUND TABS DIPPED IN TIN
3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-44560-003.
4) PACKAGING SPECIFICATION:
CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING
SPECIFICATION PK-44661-004.
5) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
6) ENHANCED GROUND TABS SHIELD (OPTION -B-) IS SHOWN IN THIS DRAWING.
7) SEE SHEET (4) OF (4) FOR RECOMMENDED PANEL OPENING AND PCB LAYOUT.
8) ASSEMBLY AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS. THIS
DRAWING SHOWS SNAP-FIT PEGS.
9) TERMINAL LENGTHS MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.
10)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.
11)THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV
ANNEX II OF DIRECTIVE 2000/53/EC.

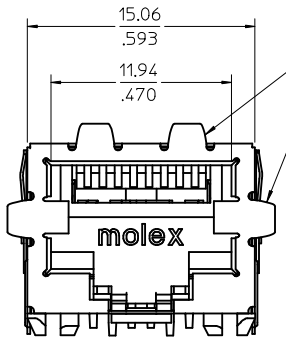


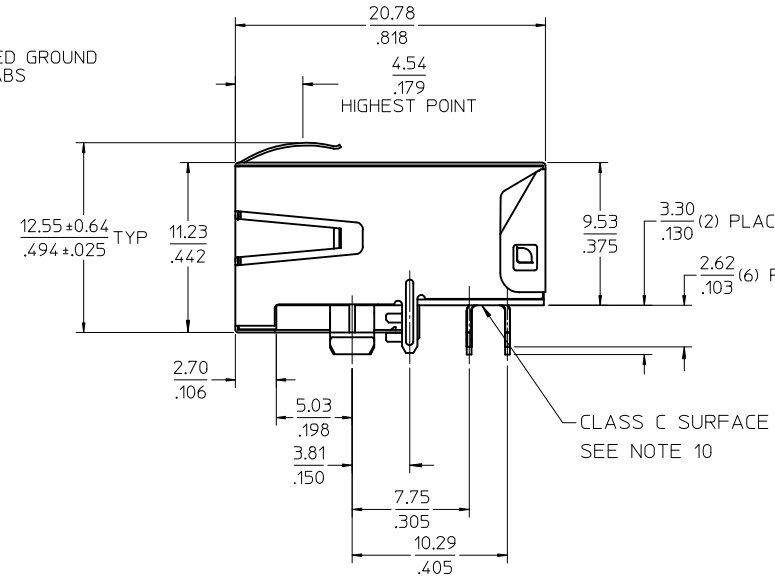


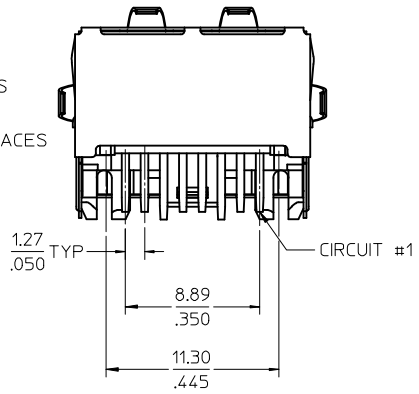
SHIELDING OPTION -A-
STANDARD SHIELD

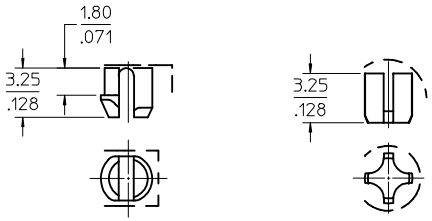


SHIELDING OPTION -B-
ENHANCED GROUND TABS









SNAP-FIT PEG PRESS-FIT PEG

ASSEMBLY MATERIAL NUMBER	PEG STYLE	SHIELDING OPTION
446610001	SNAP-FIT	A
446610011	SNAP-FIT	B
446611001	PRESS-FIT	A
446611011	PRESS-FIT	B

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

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: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	MKAMAR	DATE 00/04/07
CHECKED BY	MKAMAR	DATE 00/04/07
APPROVED BY	JROBERTS	DATE 00/04/07

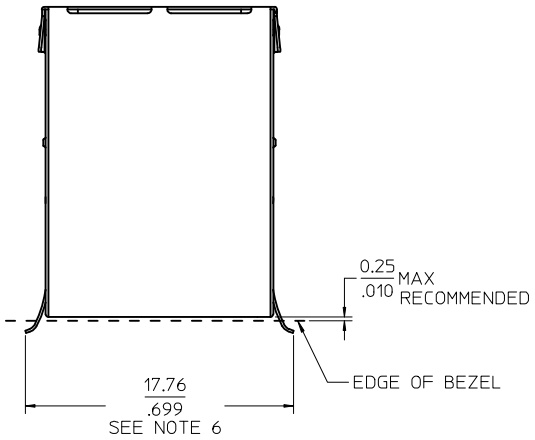
TITLE: COMPACT SINGLE PORT CATEGORY 5E MODJACK

molex MOLEX INCORPORATED

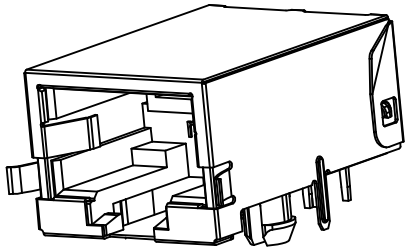
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-44661-001
SHEET NO.: 2 OF 4

SIZE C

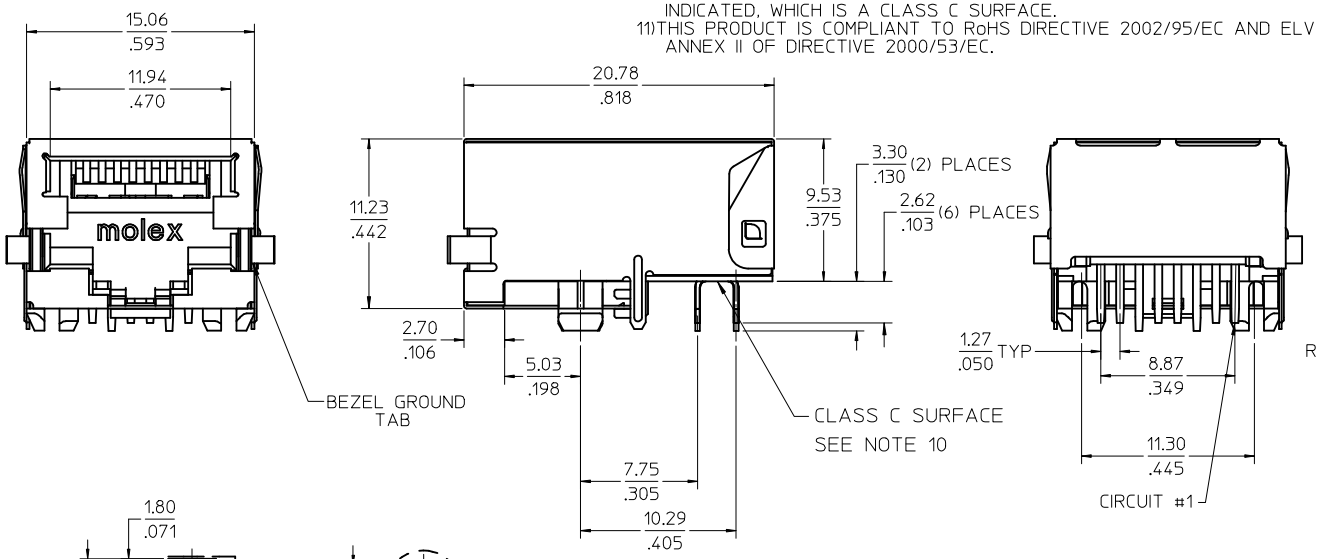
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

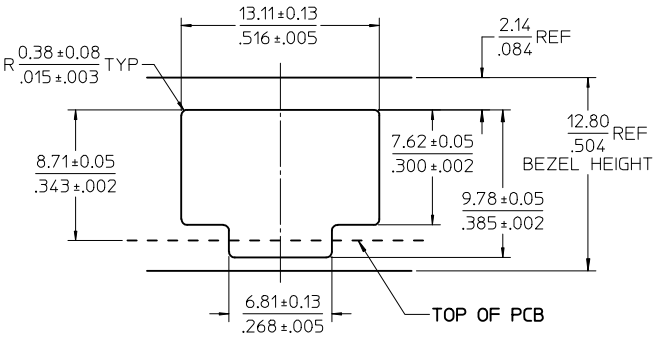


NOTES:
1) MATERIAL:
   HOUSING: NYLON (PA), GLASS FILLED, UL94V-0, COLOR: BLACK
   TERMINALS: PHOSPHOR BRONZE
   SHIELD: BRASS, 0.18 / .007 THICK
2) FINISH:
   TERMINALS:
   SELECT GOLD IN CONTACT AREA: 1.27 MICROMETERS / 50 MICROINCHES MIN.,
   SELECT MATTE TIN IN PC TAIL AREA: 2.54 MICROMETERS / 100 MICROINCHES MIN.,
   WITH OVERALL NICKEL UNDERPLATE: 1.27 MICROMETERS / 50 MICROINCHES MIN.
   SHIELD:
   2.54 MICROMETERS / 100 MICROINCHES NICKEL OVER 1.27 MICROMETERS /
   50 MICROINCHES COPPER UNDERPLATE, PCB GROUND TABS DIPPED IN TIN.
3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-44560-003.
4) PACKAGING SPECIFICATION:
   CONNECTOR PACKAGED IN TRAYS PER MOLEX PACKAGING
   SPECIFICATION PK-44661-004.
5) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
6) THIS DIMENSION HAS A MAXIMUM OF 20.45/0.805 WHEN THE JACK IS INSTALLED
   BEHIND THE BEZEL.
7) SEE SHEET (4) OF (4) FOR PCB LAYOUT.
8) ASSEMBLY AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS. THIS
   DRAWING SHOWS SNAP-FIT PEGS.
9) TERMINAL LENGTHS MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.
10) 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.
11) THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV
    ANNEX II OF DIRECTIVE 2000/53/EC.

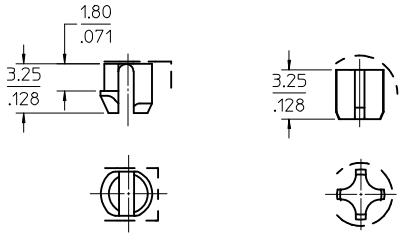


SHIELDING OPTION -C-
BEZEL GROUND TABS





RECOMMENDED
PANEL OPENING
FOR PMC BEZEL ONLY



SNAP-FIT PEG PRESS-FIT PEG

ASSEMBLY MATERIAL NUMBER	PEG STYLE
446610021	SNAP-FIT
446611021	PRESS-FIT

UPDATE NOTES
EC NO: UCP2009-2791 2009/07/06
DRWN: JBELL 2009/07/22
CH'KD: MKIPPER 2009/07/23
APPR: FSMITH
DESCRIPTION
G2
REV

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

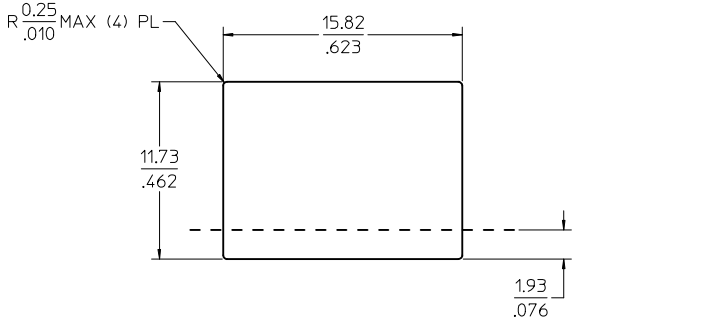
GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .012
2 PLACES	± 0.30	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

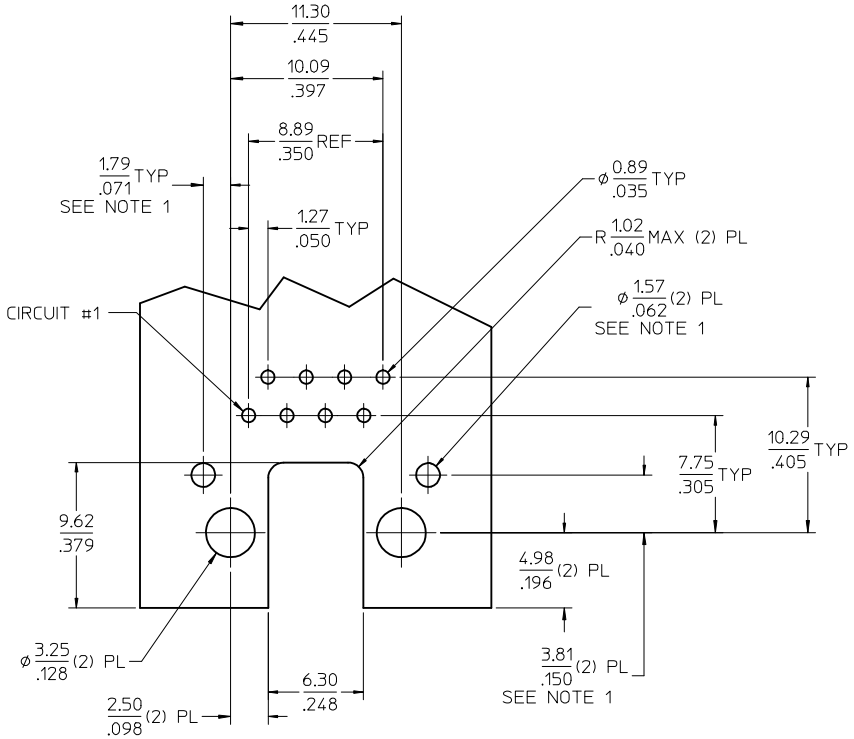
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM/IN
SCALE	4:1
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	MKAMAR
DATE	00/04/07
CHECKED BY	MKAMAR
DATE	00/04/07
APPROVED BY	JROBERTS
DATE	00/04/07
MATERIAL NO.	SEE CHART
TITLE	COMPACT SINGLE PORT CATEGORY 5E MODJACK
	MOLEX INCORPORATED
DOCUMENT NO.	SD-44661-001
SHEET NO.	3 OF 4
SIZE	C

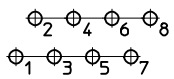
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



RECOMMENDED
PANEL OPENING
SHIELDING OPTIONS A AND B



PCB LAYOUT : COMPONENT SIDE
RECOMMENDED PCB THICKNESS (SNAP-FIT PEG) : 1.57/.062
TOLERANCE ±.076/.003 UNLESS OTHERWISE SPECIFIED



TYPICAL PC TERMINAL HOLE LAYOUT

NOTES:

1. DIMENSIONS REFER TO ASSEMBLIES WITH SHIELDING OPTION

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

QUALITY SYMBOLS
▼=0
▽C=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: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	MKAMAR	DATE 00/04/07
CHECKED BY	MKAMAR	DATE 00/04/07
APPROVED BY	JROBERTS	DATE 00/04/07

TITLE: COMPACT SINGLE PORT CATEGORY 5E MODJACK

MOLEX INCORPORATED

MATERIAL NO.: N/A
DOCUMENT NO.: SD-44661-001
SHEET NO.: 4 OF 4
SIZE: C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION