

NOTES:

1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: SEE CHART
TERMINALS: PHOSPHOR BRONZE

2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (1.27 MICROMETERS) MIN.,
SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (1.27 MICROMETERS) MIN.

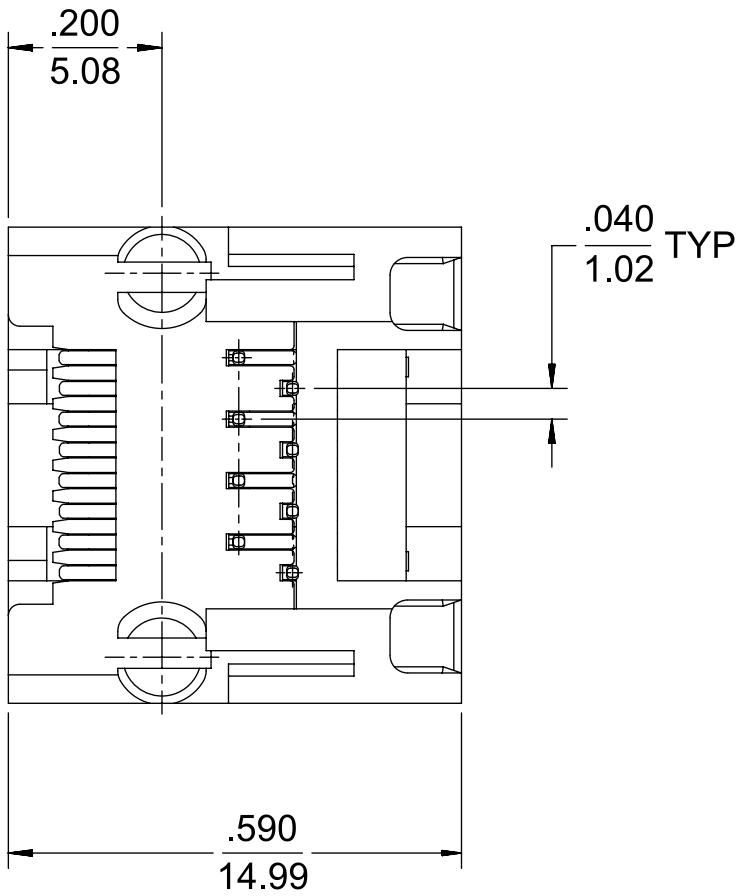
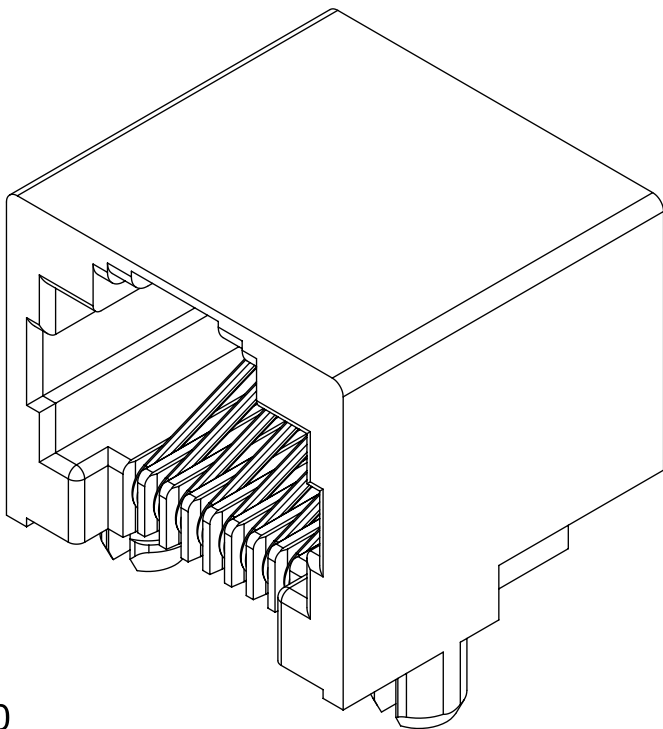
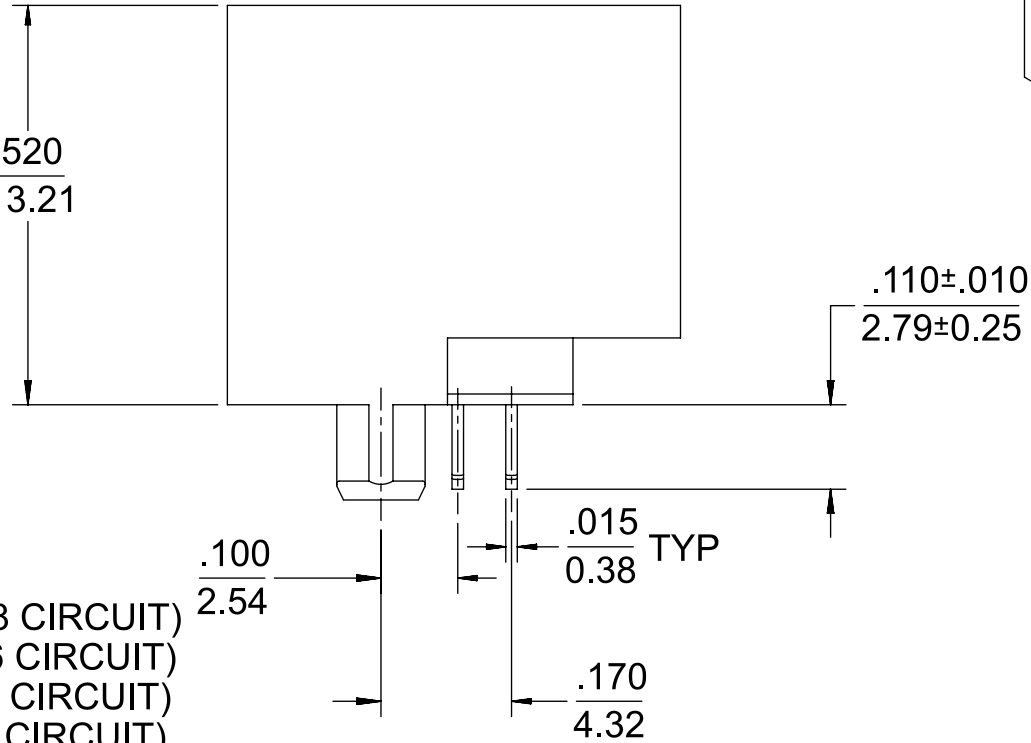
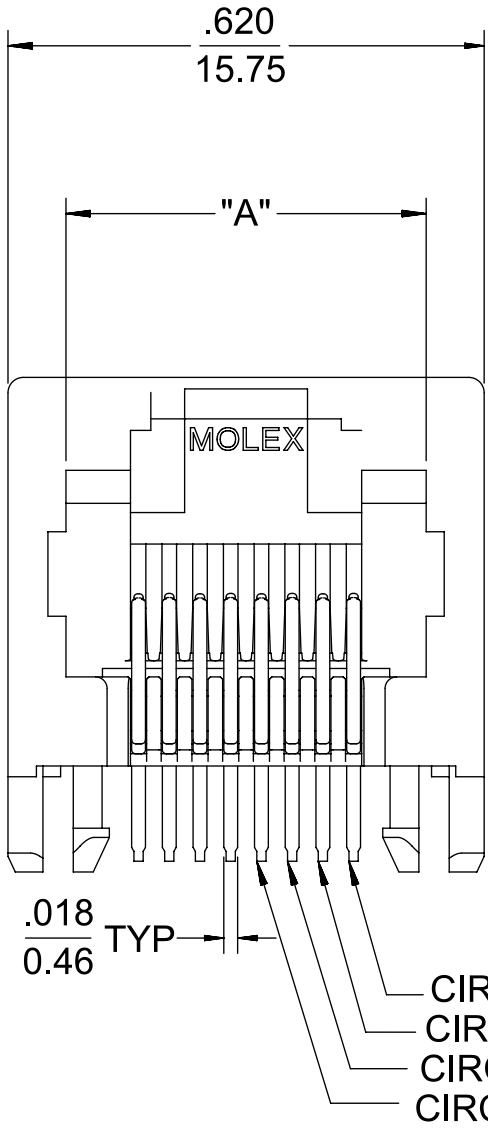
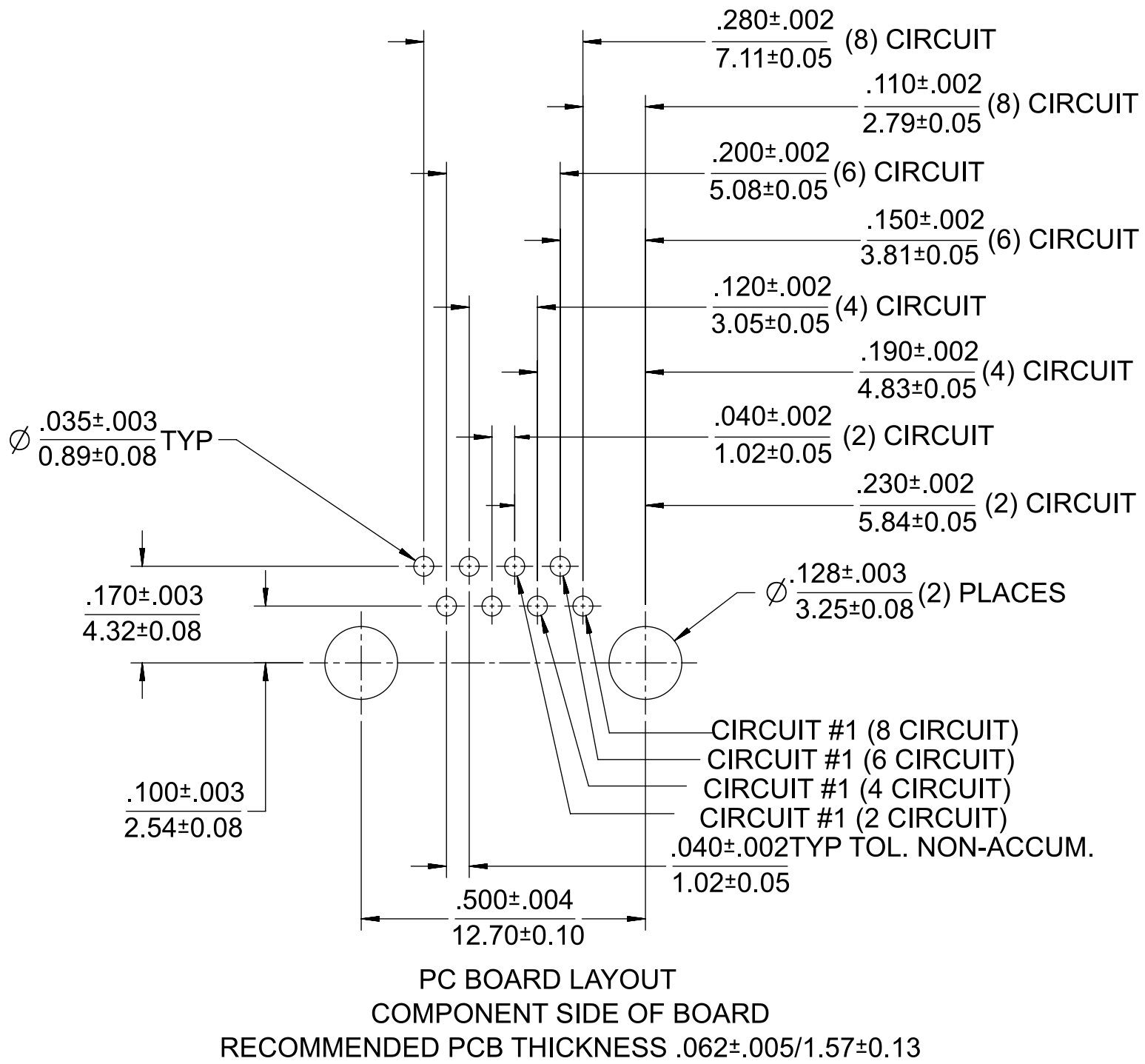
3) PRODUCT SPECIFICATION: PS-43860-003.

4) PACKAGING SPECIFICATION:
CONNECTOR ASSEMBLIES PACKAGED IN EXTRUDED TUBES PER MOLEX
PACKAGING SPECIFICATION PK-43860-004.

5) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

6) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.

7) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.



ASSEMBLY MAT. NUM.	CONNECTOR SIZE	DIM "A"	CIRCUITS	HOUSING COLOR
43860-0001	8	.469/11.91	8	BLACK
43860-0002	6	.389/9.88	6	BLACK
43860-0003	6	.389/9.88	4	BLACK
43860-0020	6	.389/9.88	2	BLACK

FUNCTIONAL SYMBOLS

$\frac{F}{A}$

= 0

$\frac{F}{C}$

= 0

$\frac{F}{P}$

= 0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

IN/mm

4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

± 0.0100

2 PLACES

±

0.250 ±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

± 0.5°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETE PART
NUMBERS AS PER PCN#512600

PHASE:
CO NO:
DRWN: Madhava M 2023-10-26
CHK'D: Ganesh Rao B 2023-12-20
APPR: Gurunandan GA 2023-12-20

INITIAL REVISION:
DRWN: TALEND 1997/02/13
APPR: FRY 1997/03/04

THIRD ANGLE PROJECTION

DRAWING

SERIES

C-SIZE

43860

molex

INVERTED MODULAR JACK
ASSEMBLY

PRODUCT SALES DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-43860-001

PSD

001

J

MATERIAL NUMBER

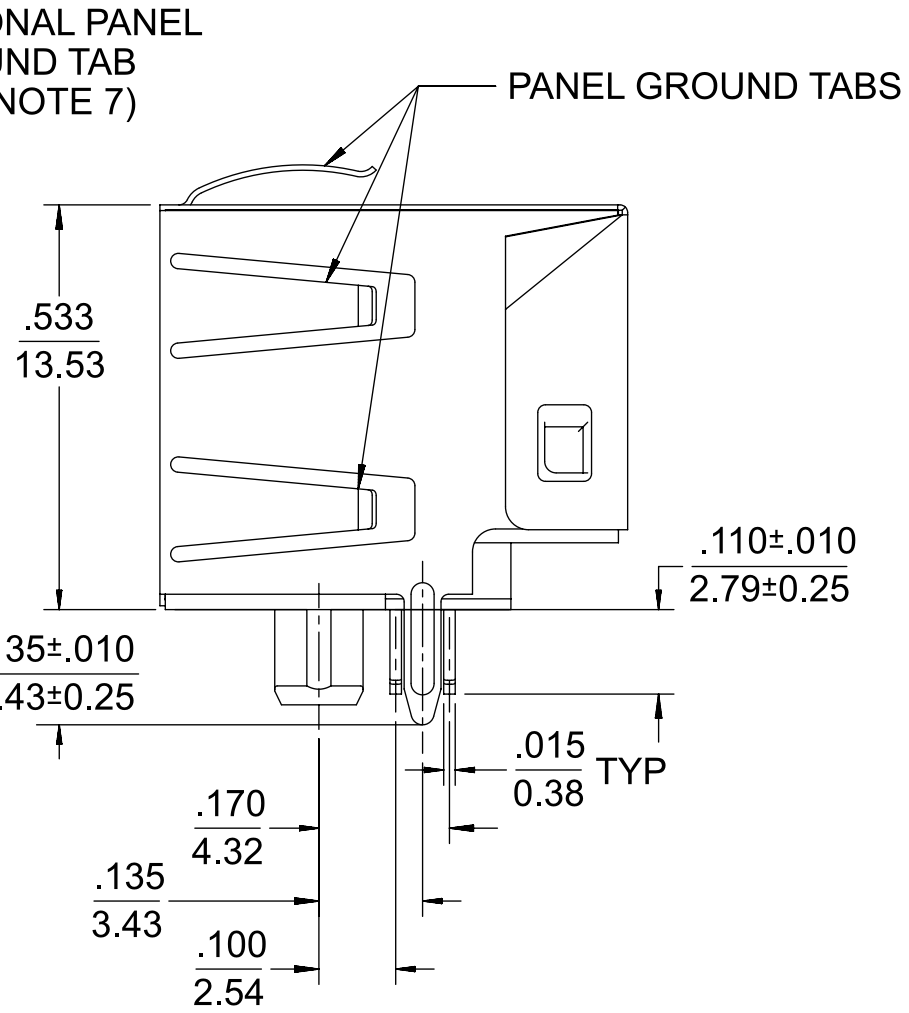
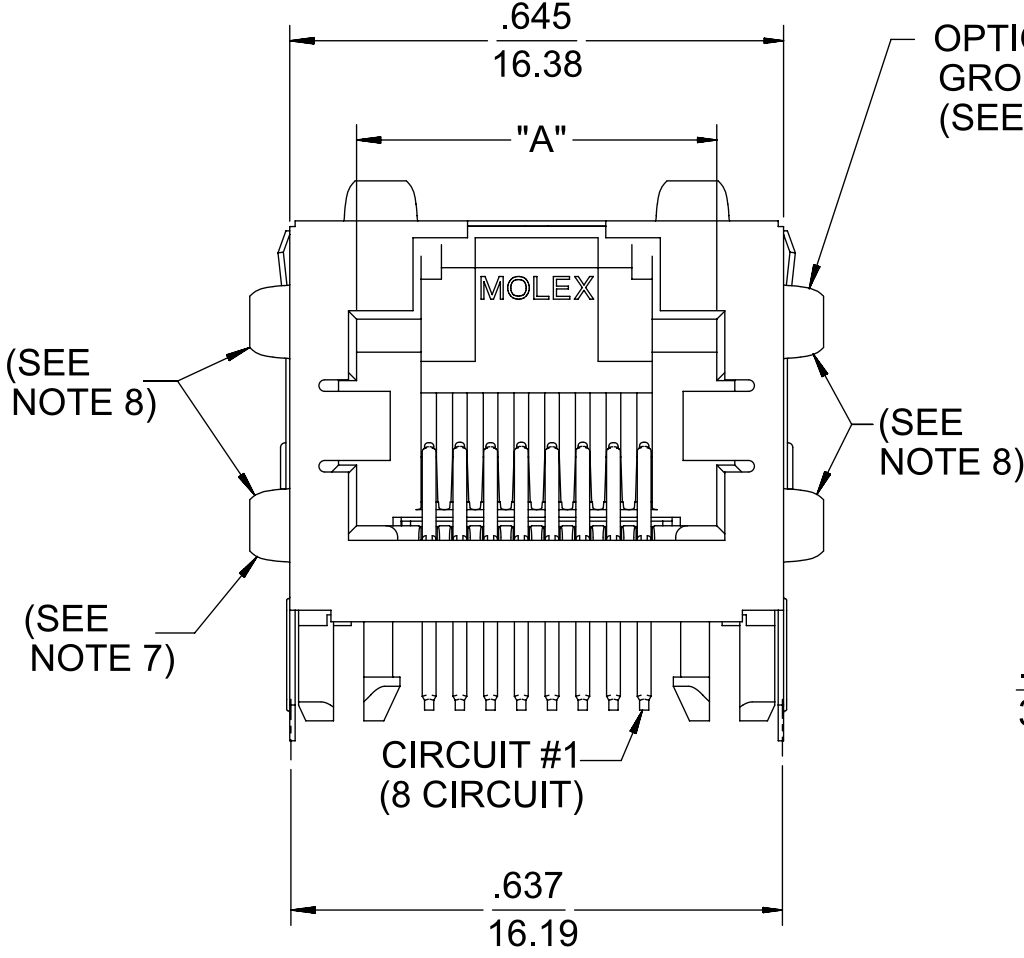
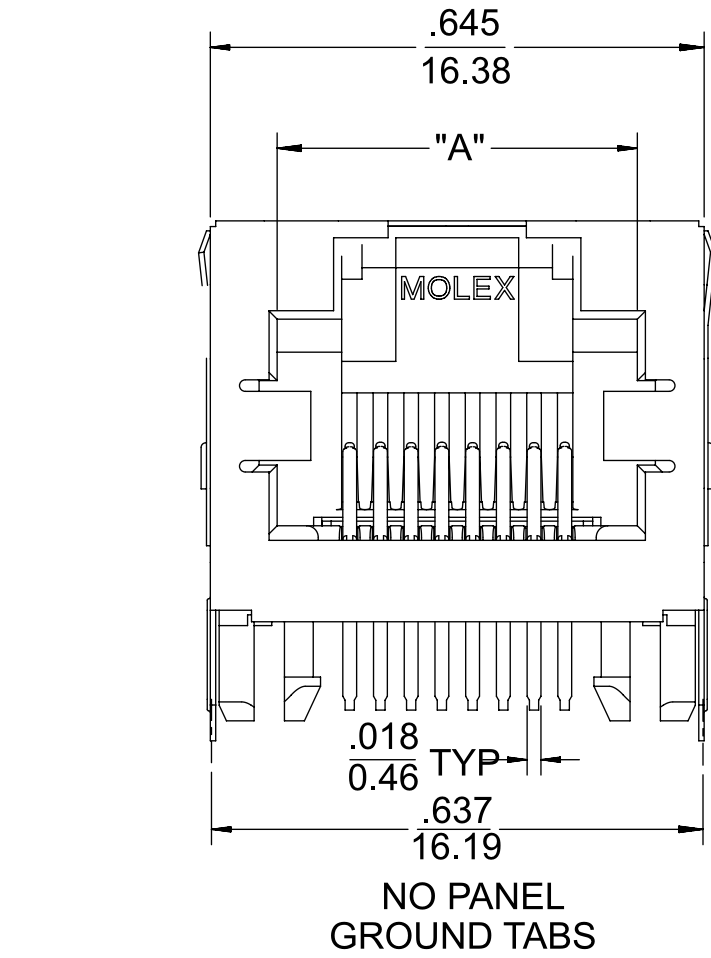
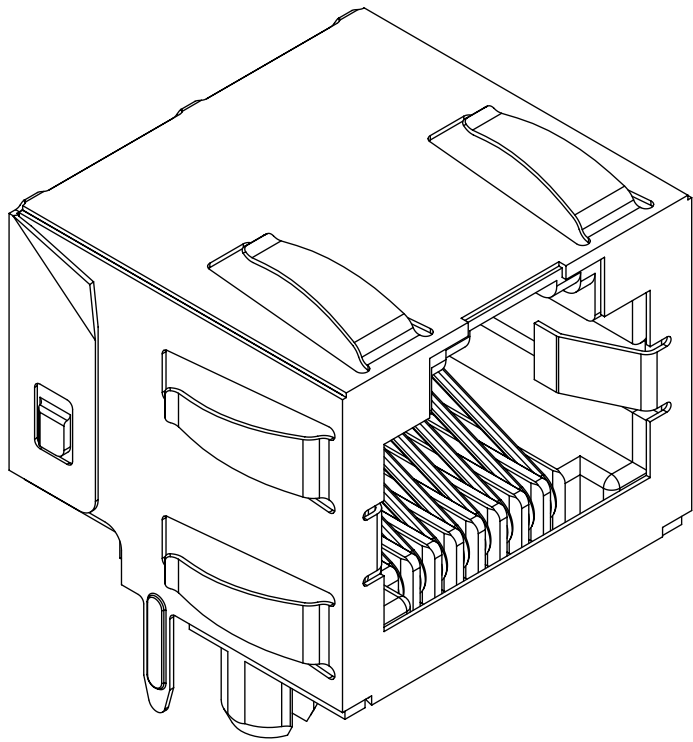
CUSTOMER

SHEET NUMBER

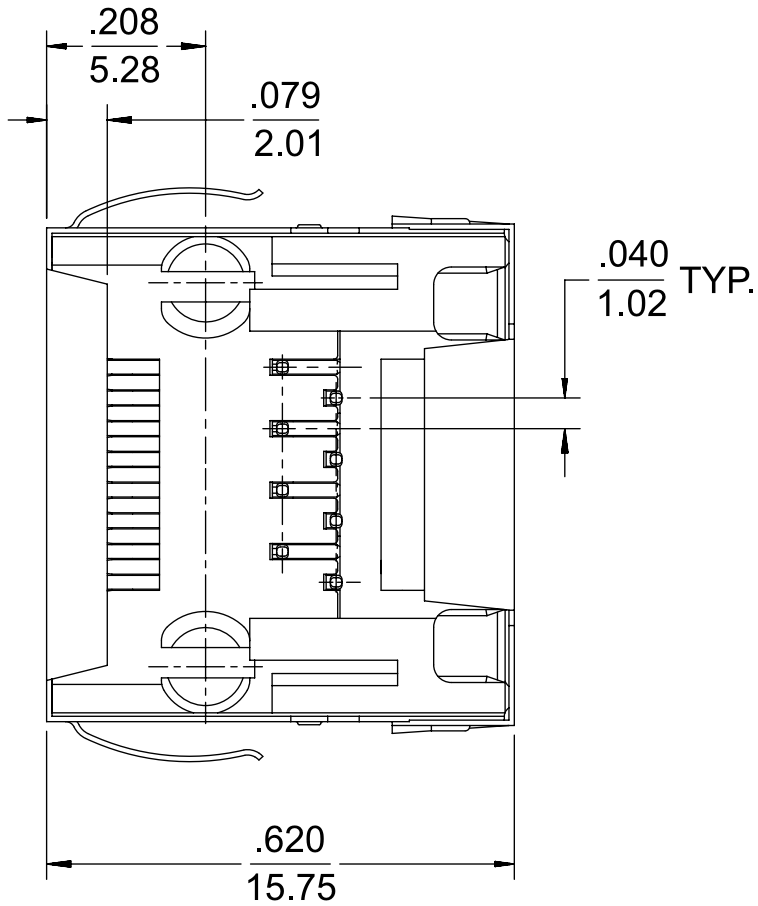
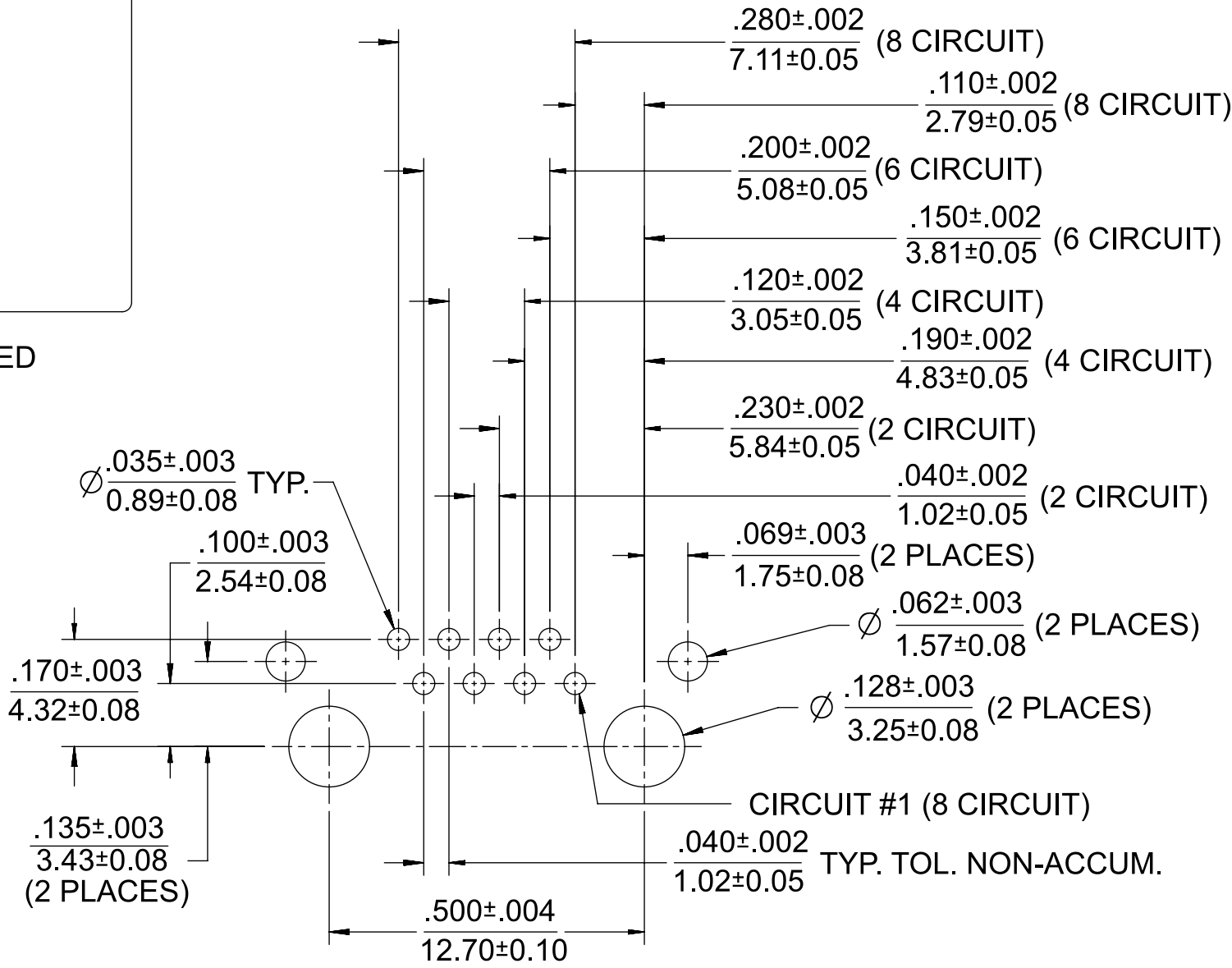
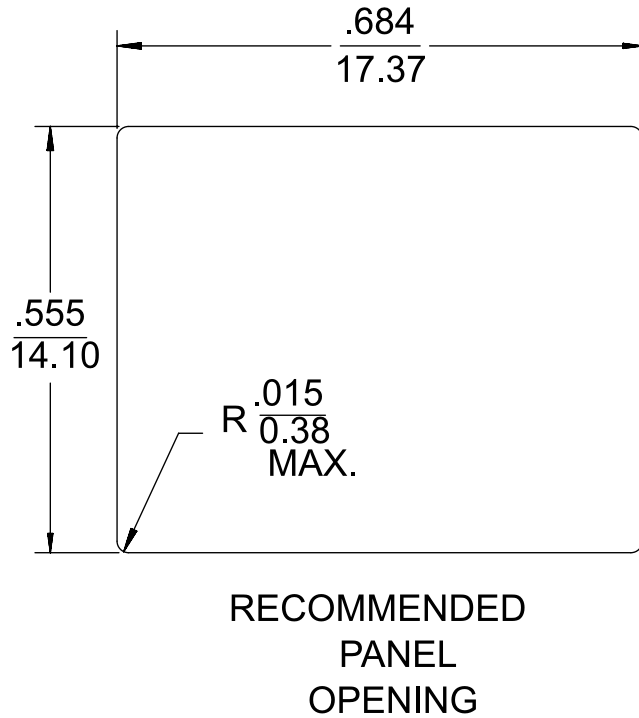
SEE TABLE

GENERAL MARKET

1 OF 5



- NOTES:
- 1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0,
COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
SHIELD: BRASS
 - 2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES/
1.27 MICROMETERS MIN.,
SELECT 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: PS-43860-003.
 - 4) PACKAGING SPECIFICATION:
CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS
PER MOLEX PACKAGING SPECIFICATION PK-43860-005.
43860-5025 CONNECTOR ASSEMBLIES PACKAGED IN TAPE AND
REEL PER MOLEX PACKAGING SPECIFICATION PK-70873-700*
 - 5) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
 - 6) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
 - 7) AVAILABLE WITH THE (2) SPECIFIED PANEL GROUND TABS
OMITTED FOR SIDE TO SIDE STACKABILITY, PER THE ASSEMBLY
MATERIAL NUMBER TABLE.
 - 8) AVAILABLE WITH TOP PANEL GROUND TABS ONLY, PER THE
ASSEMBLY MATERIAL NUMBER TABLE.
 - 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.



PC BOARD LAYOUT
COMPONENT SIDE OF BOARD
RECOMMENDED PCB THICKNESS .062±.005/1.57±0.13

ASSEMBLY MAT. NUM.	CONNECTOR SIZE	DIM "A"	CIRCUITS	PANEL GROUND TABS	PACKAGING OPTION
43860-0004	8	.469/11.91	8	ALL	TRAY
43860-0005	6	.389/9.88	6	ALL	TRAY
43860-0006	6	.389/9.88	4	ALL	TRAY
43860-0013	8	.469/11.91	8	SEE NOTE #7	TRAY
43860-0014	6	.389/9.88	6	SEE NOTE #7	TRAY
43860-0025	8	.469/11.91	8	NONE	TRAY
43860-0026	6	.389/9.88	6	NONE	TRAY
43860-0031	8	.469/11.91	8	SEE NOTE #8	TRAY
43860-5025	8	.469/11.91	8	NONE	TAPE

FUNCTIONAL SYMBOLS

$\frac{F}{A}$

$\frac{F}{C}$

$\frac{F}{P}$

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

IN/mm

4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.0100
2 PLACES	± 0.250	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

THIRD ANGLE PROJECTION

DRAWING

SERIES

C-SIZE

43860

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600

PHASE:

CO NO:

DRWN: Madhava M 2023-10-26

CHK'D: Ganesh Rao B 2023-12-20

APPR: Gurunandan GA 2023-12-20

INITIAL REVISION:

DRWN: TALEND 1997/02/13

APPR: FRY 1997/03/04

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-43860-001

PSD

001

J

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE TABLE

GENERAL MARKET

2 OF 5

molex

INVERTED MODULAR JACK ASSEMBLY

PRODUCT SALES DRAWING



- 1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
SHIELD: BRASS
LIGHT PIPES:
POLYCARBONATE - WAVE OR HAND SOLDER ONLY
(NOT DESIGNED FOR I/R REFLOW OR
CONVECTION REFLOW SOLDER PROCESSES)
POLYSULFONE - MAXIMUM REFLOW TEMPERATURE 400°F (205°C)
- 2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES/1.27 MICROMETERS MIN.,
SELECT 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 OVER 50 MICROINCHES/1.27
MICROMETERS COPPER UNDERPLATE; PCB GROUND TABS DIPPED IN TIN
- 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
- 4) PACKAGING SPECIFICATION:
CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS PER MOLEX
PACKAGING SPECIFICATION PK-43860-005.
- 5) APPLICATION SPECIFICATION: AS-43860-001
- 6) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
- 7) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
- 8) AVAILABLE WITH THE (2) SPECIFIED PANEL GROUND TABS OMITTED FOR SIDE
TO SIDE STACKABILITY, PER THE ASSEMBLY MATERIAL NUMBER TABLE.
- 9) REFER TO SHEET (5) OF (5) FOR RECOMMENDED PCB LAYOUT.
- 10) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
$\frac{F_A}{F} = 0$		DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600				molex							
$\frac{F_C}{F} = 0$		IN/mm		4:1													
$\frac{F_E}{F} = 0$		GENERAL TOLERANCES (UNLESS SPECIFIED)								PHASE: CO NO: DRWN: Madhava M 2023-10-26 CHK'D: Ganesh Rao B 2023-12-20 APPR: Gurunandan GA 2023-12-20							
DIVISIONAL SYMBOLS			MM		INCH												
		4 PLACES ±		±						INVERTED MODULAR JACK ASSEMBLY							
		3 PLACES ±		± 0.0100													
		2 PLACES ± 0.250		±						PRODUCT SALES DRAWING							
		1 PLACE ±		±													
		0 PLACES ±		±						DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		ANGULAR TOL ± 0.5°								SD-43860-001		PSD		001		J	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								C-SIZE		43860		SEE TABLE		GENERAL MARKET		4 OF 5	

