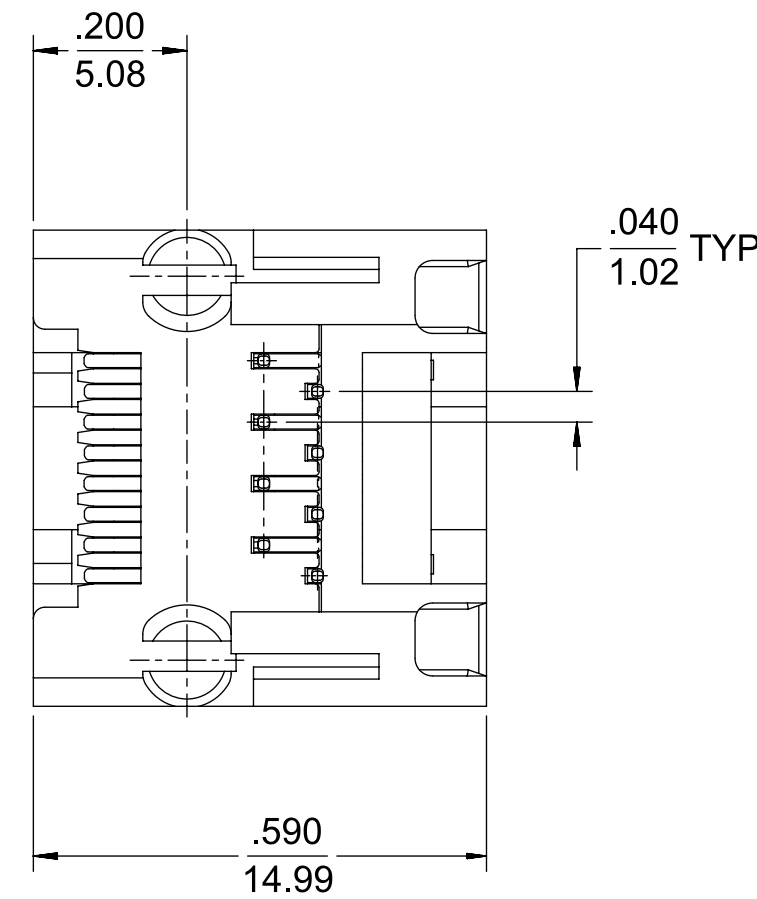
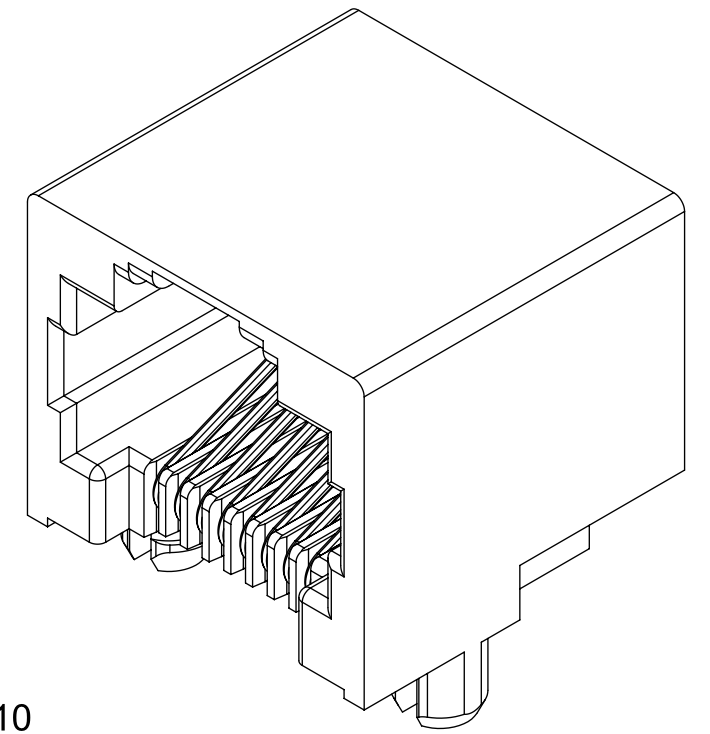
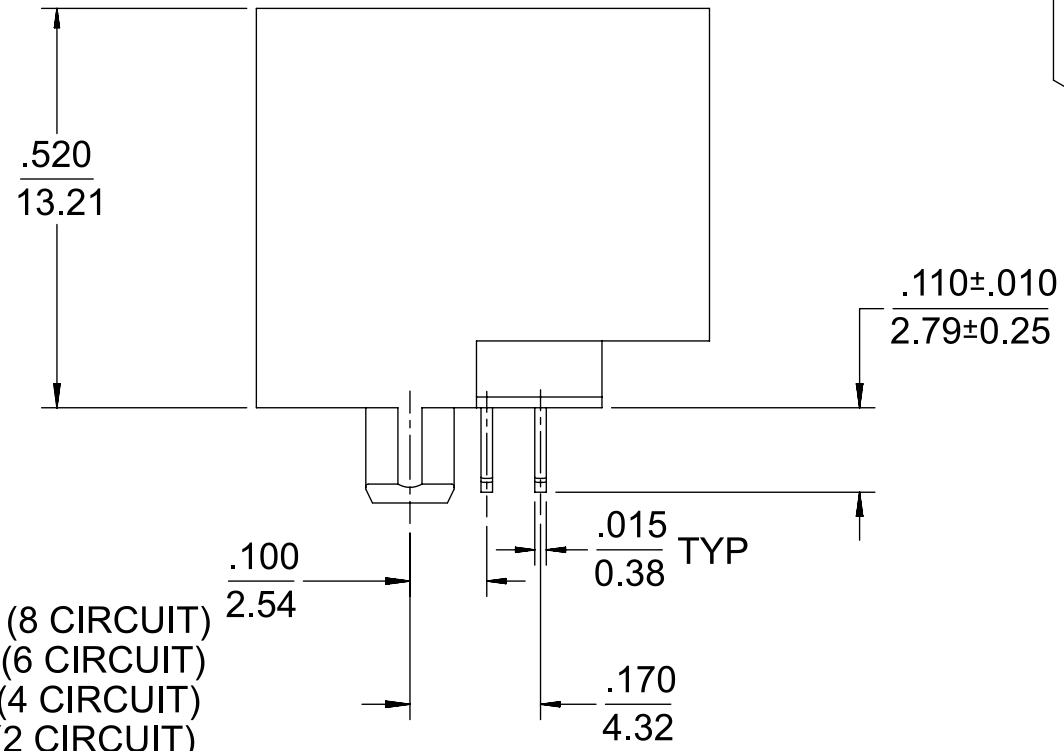
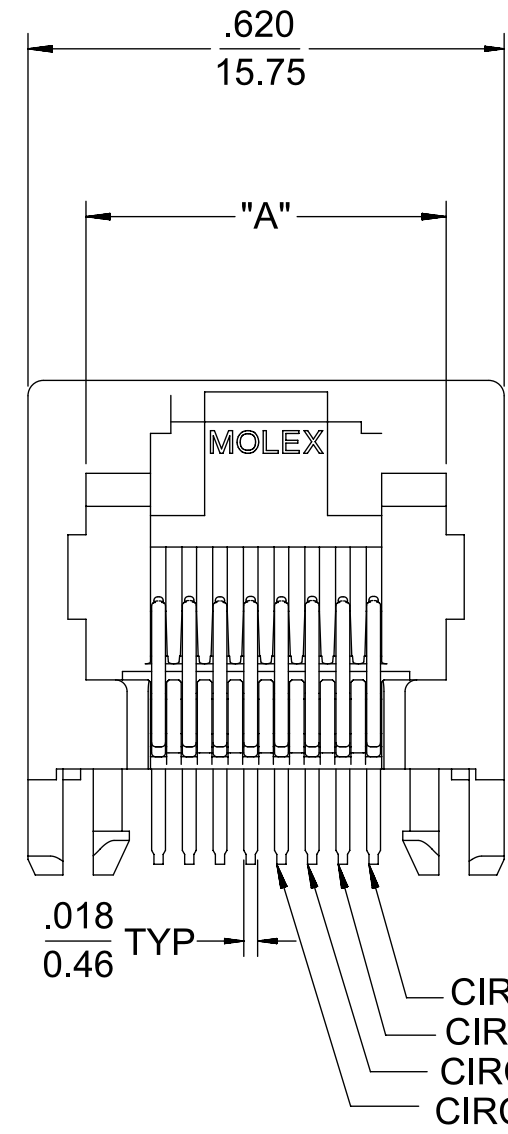
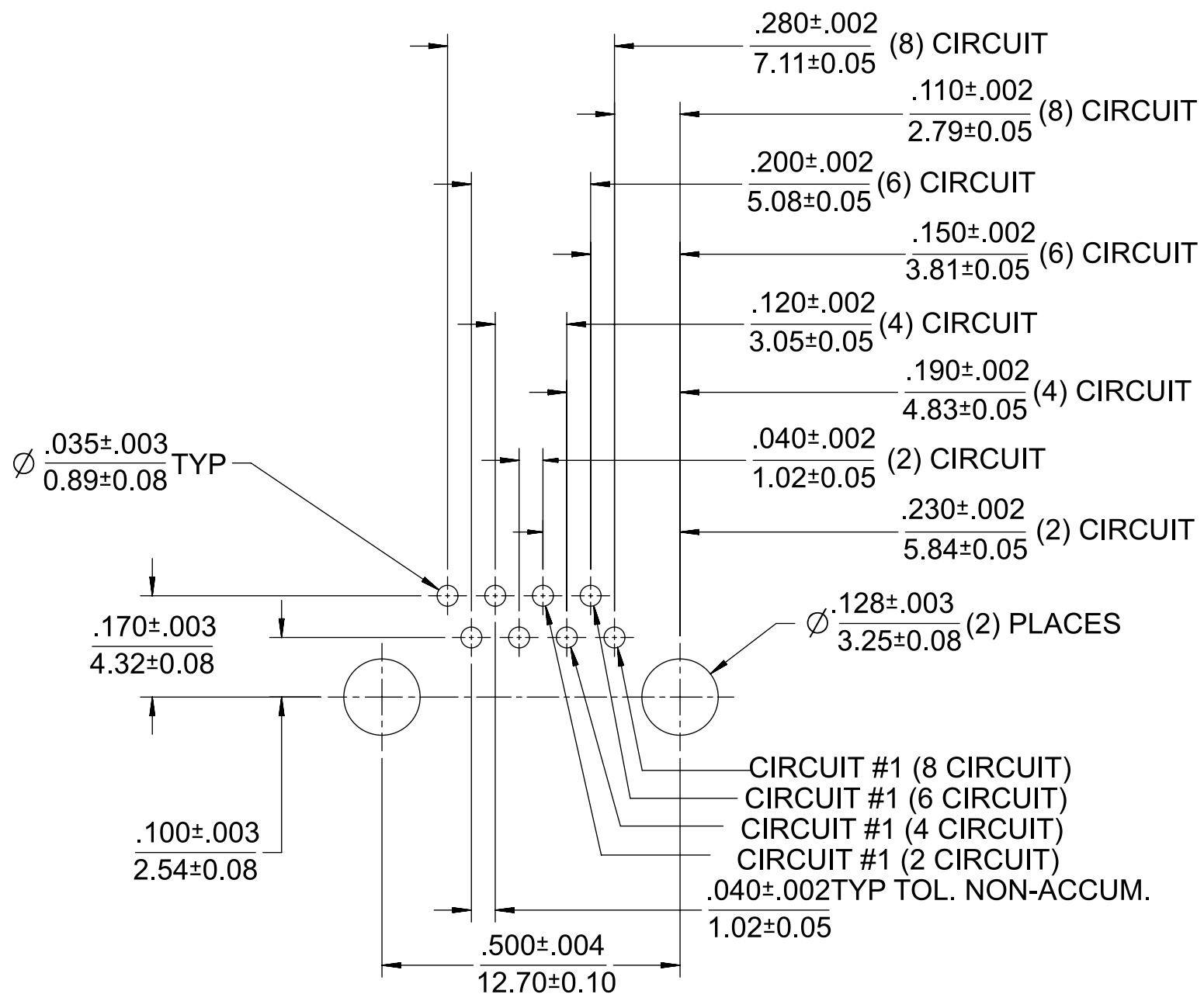


NOTES:

- 1) MATERIAL:  
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: SEE CHART  
TERMINALS: PHOSPHOR BRONZE
- 2) FINISH:  
TERMINALS:  
SELECT GOLD IN CONTACT AREA: 50 MICRONS (1.27 MICROMETERS) MIN.,  
SELECT TIN IN PC TAIL AREA: 100 MICRONS (2.54 MICROMETERS) MIN.,  
WITH OVERALL NICKEL UNDERPLATE: 50 MICRONS (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

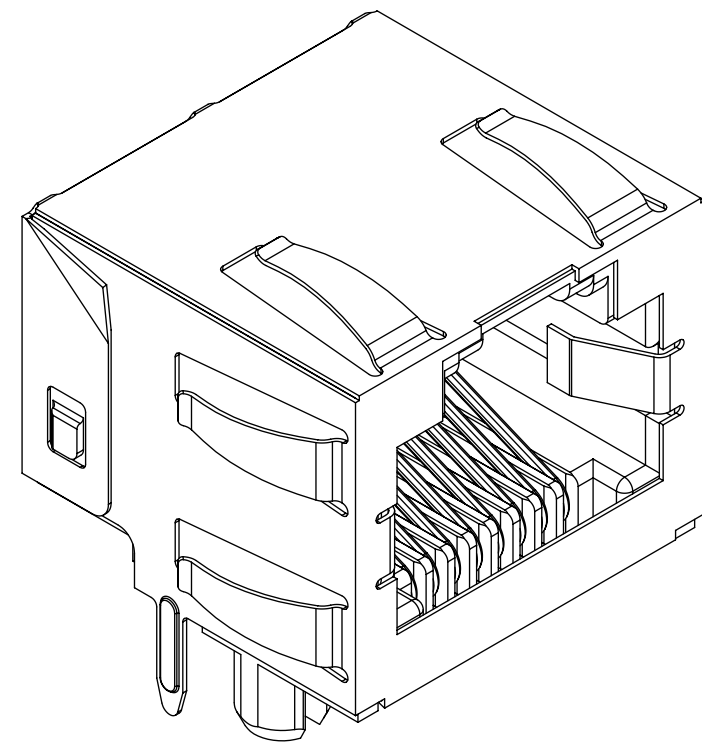
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600	
	DIMENSION UNITS	SCALE		
FA = 0	IN/mm	4:1		
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		PHASE:	
		MM	INCH	
FP = 0	4 PLACES	±	±	DRWN: Madhava M 2023-10-26
	3 PLACES	±	± 0.0100	CHK'D: Ganesh Rao B 2023-12-20
DIVISIONAL SYMBOLS	2 PLACES	± 0.250	±	APPR: Gurunandan GA 2023-12-20
	1 PLACE	±	±	INITIAL REVISION:
	0 PLACES	±	±	DRWN: TALEND 1997/02/13
	ANGULAR TOL	± 0.5°		APPR: FRY 1997/03/04
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE	43860
		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

**molex**

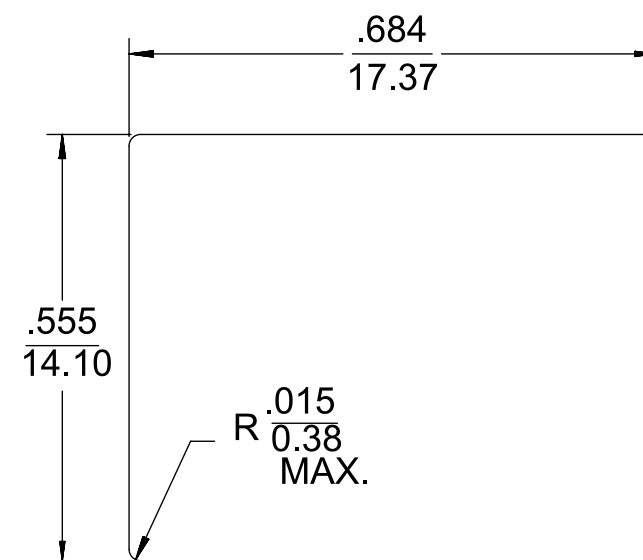
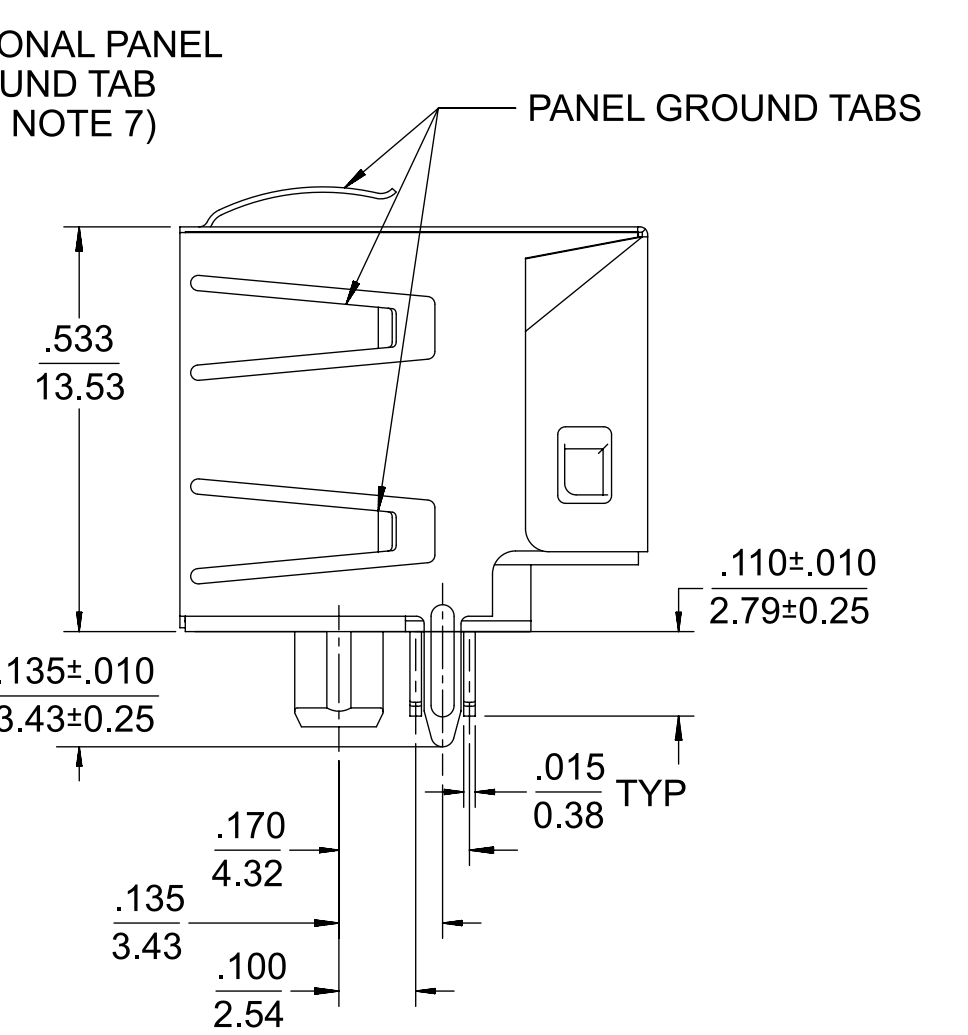
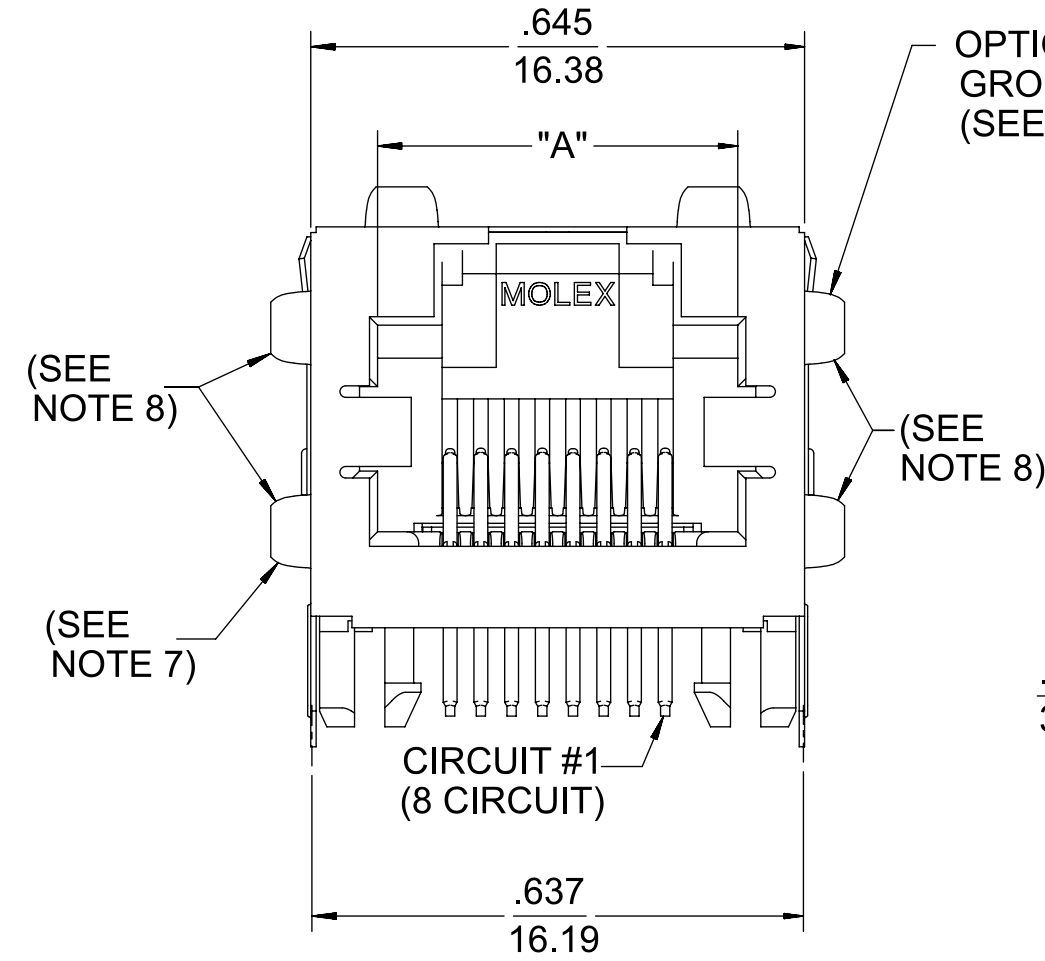
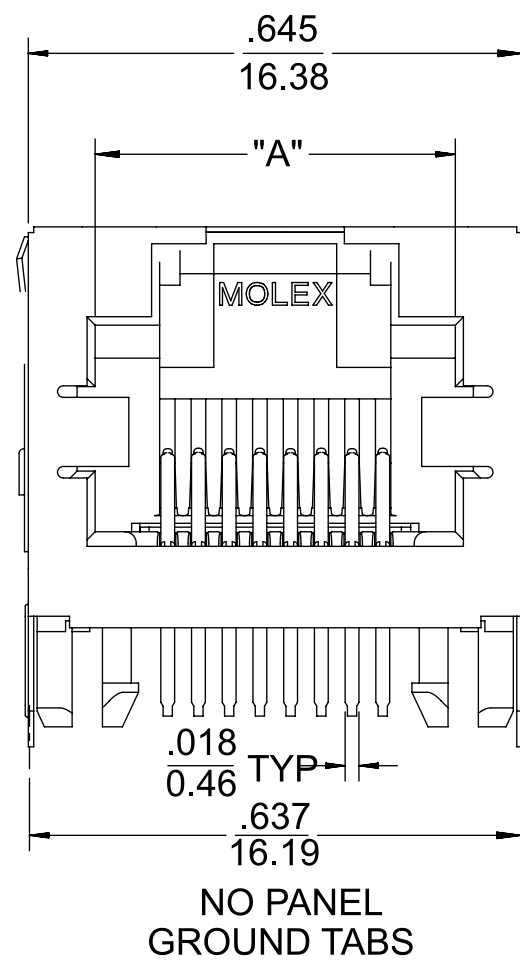
INVERTED MODULAR JACK ASSEMBLY

PRODUCT SALES DRAWING

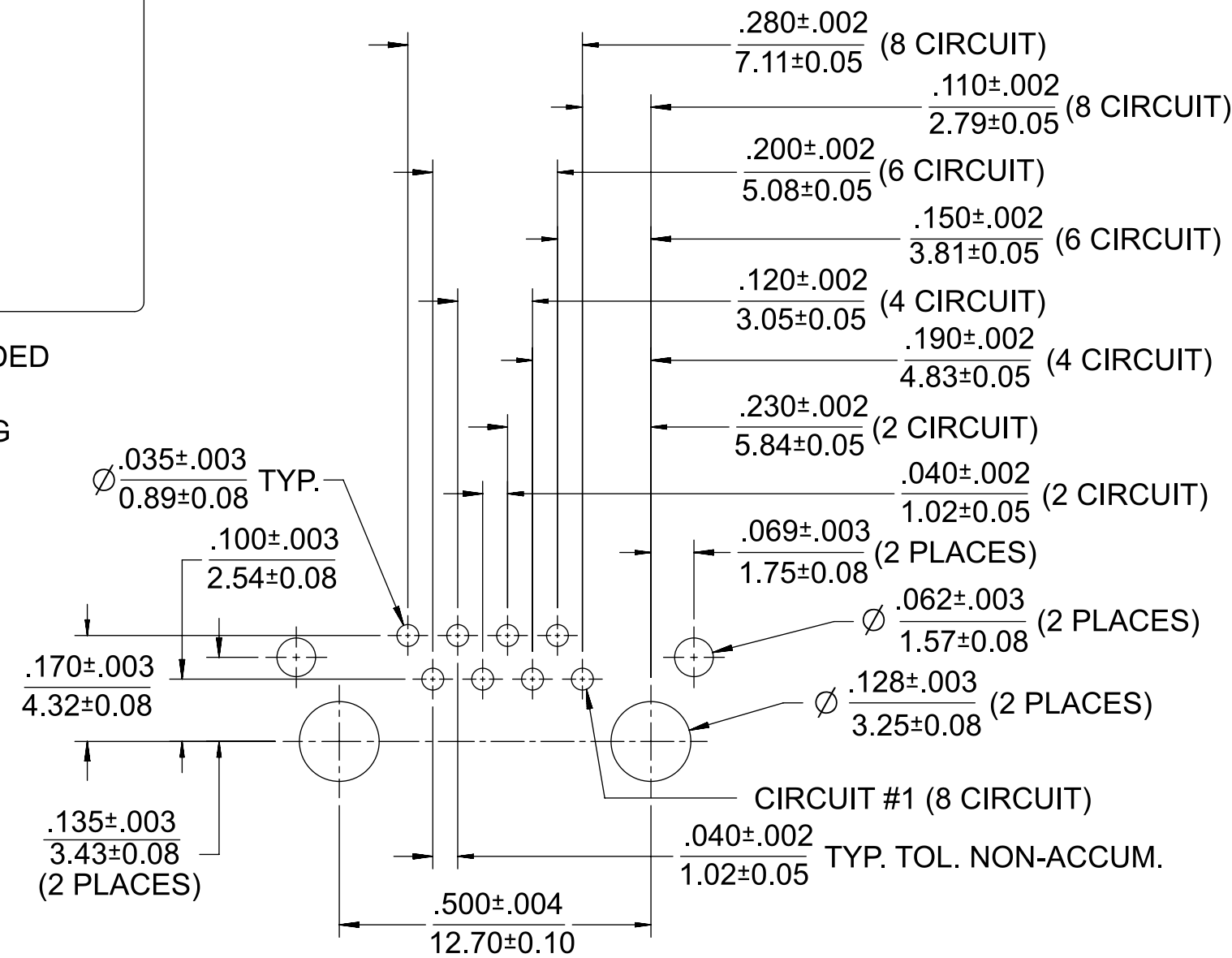
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-43860-001	PSD	001	J
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
SEE TABLE	GENERAL MARKET	1 OF 5	



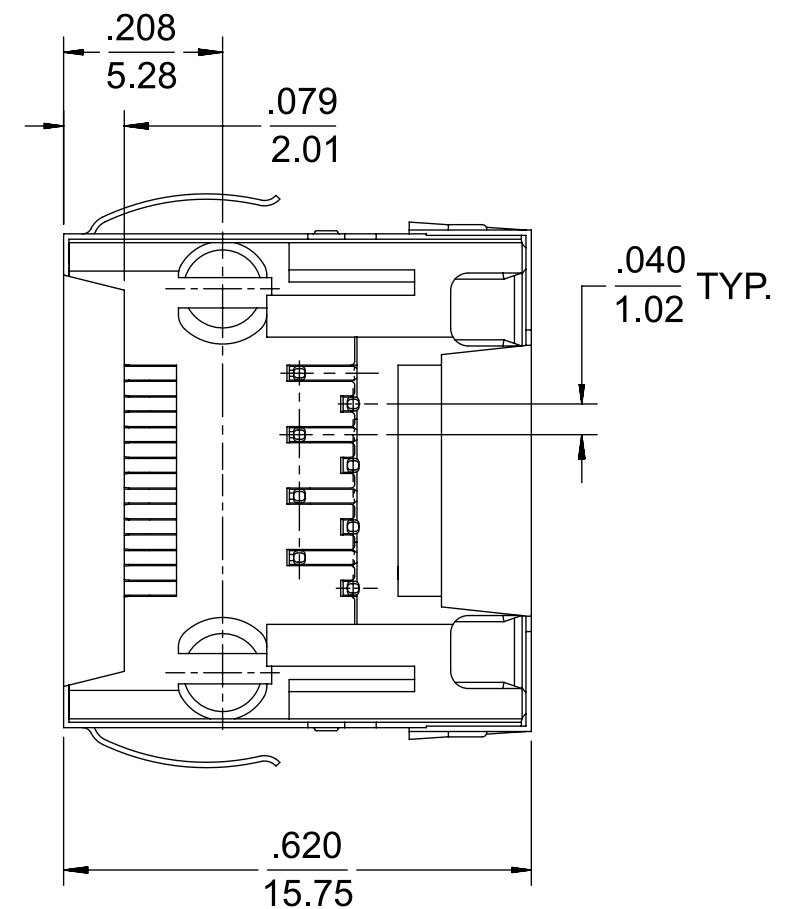
- NOTES:
- MATERIAL:**  
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0,  
COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE  
SHIELD: BRASS
  - FINISH:**  
TERMINALS:  
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES/  
1.27 MICROMETERS MIN.,  
SELECT TIN IN PC TAIL AREA: 100 MICROINCHES/  
2.54 MICROMETERS MIN.,  
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
  - PRODUCT SPECIFICATION:** PS-43860-003.
  - 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\*
  - ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
  - CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
  - AVAILABLE WITH THE (2) SPECIFIED PANEL GROUND TABS  
OMITTED FOR SIDE TO SIDE STACKABILITY, PER THE ASSEMBLY  
MATERIAL NUMBER TABLE.
  - AVAILABLE WITH TOP PANEL GROUND TABS ONLY, PER THE  
ASSEMBLY MATERIAL NUMBER TABLE.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC  
SPECIFICATION PS-45499-002.



RECOMMENDED  
PANEL  
OPENING



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

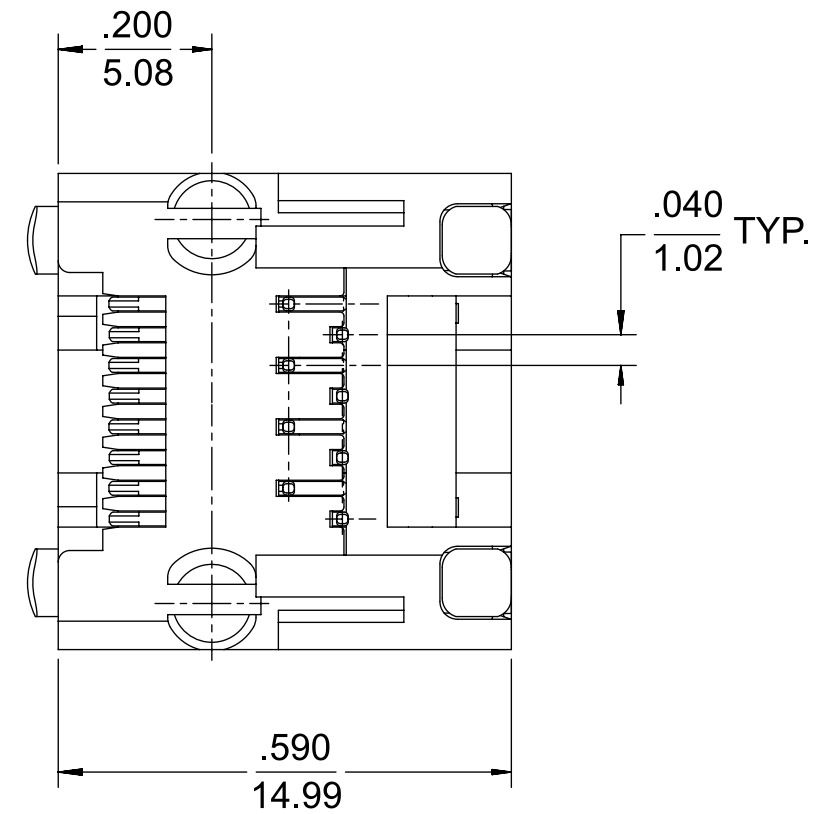
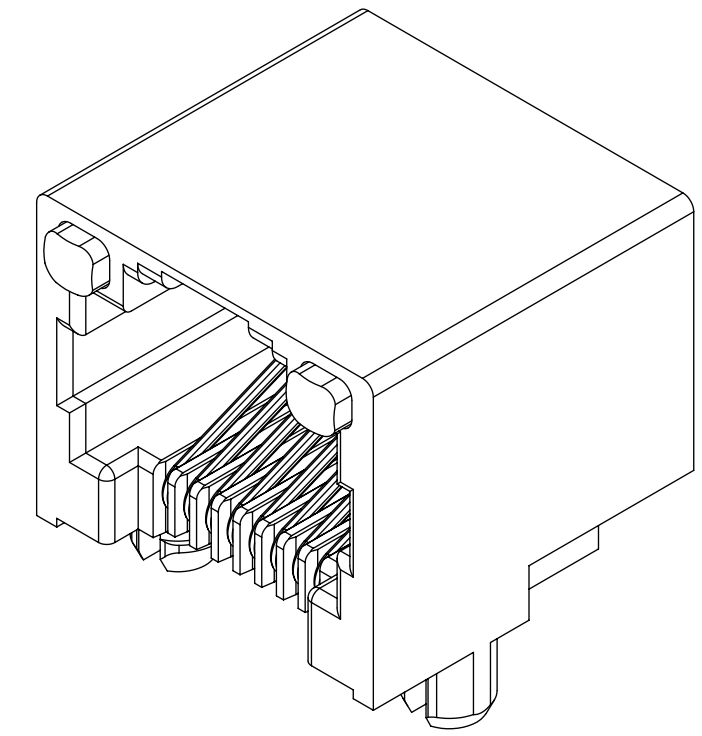
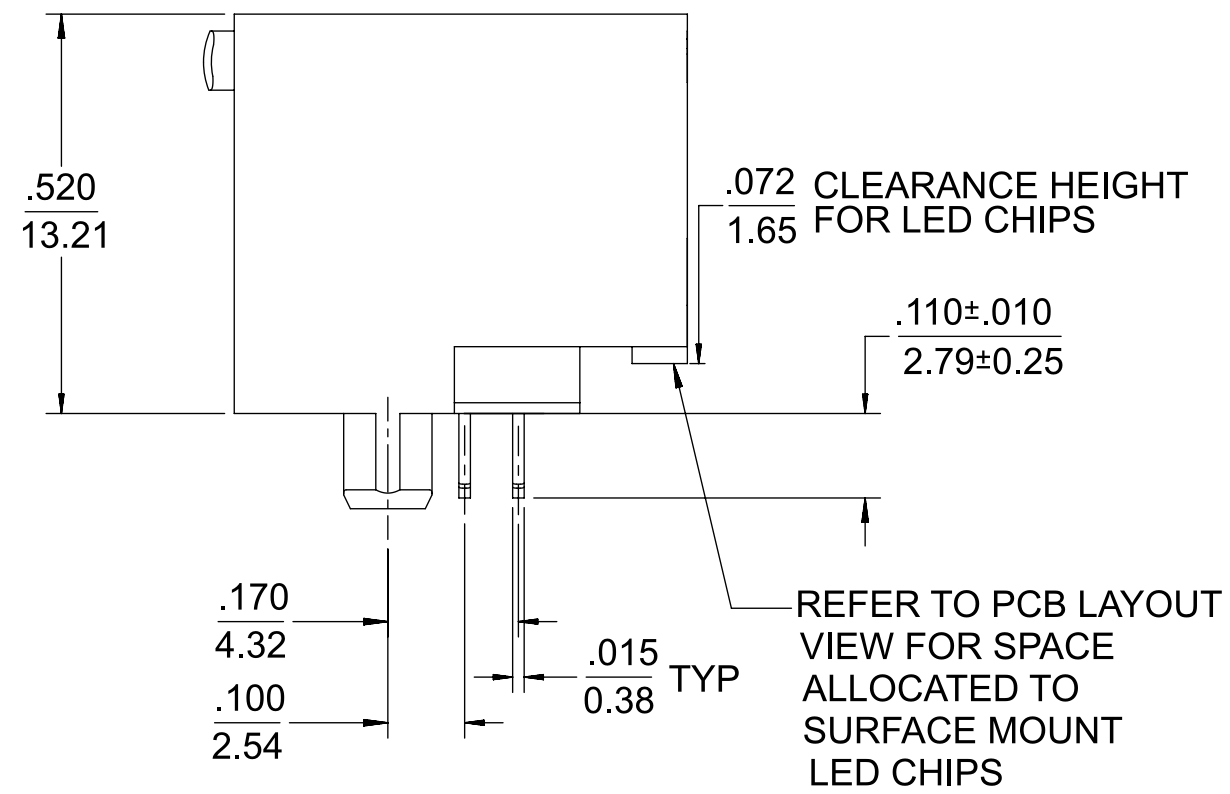
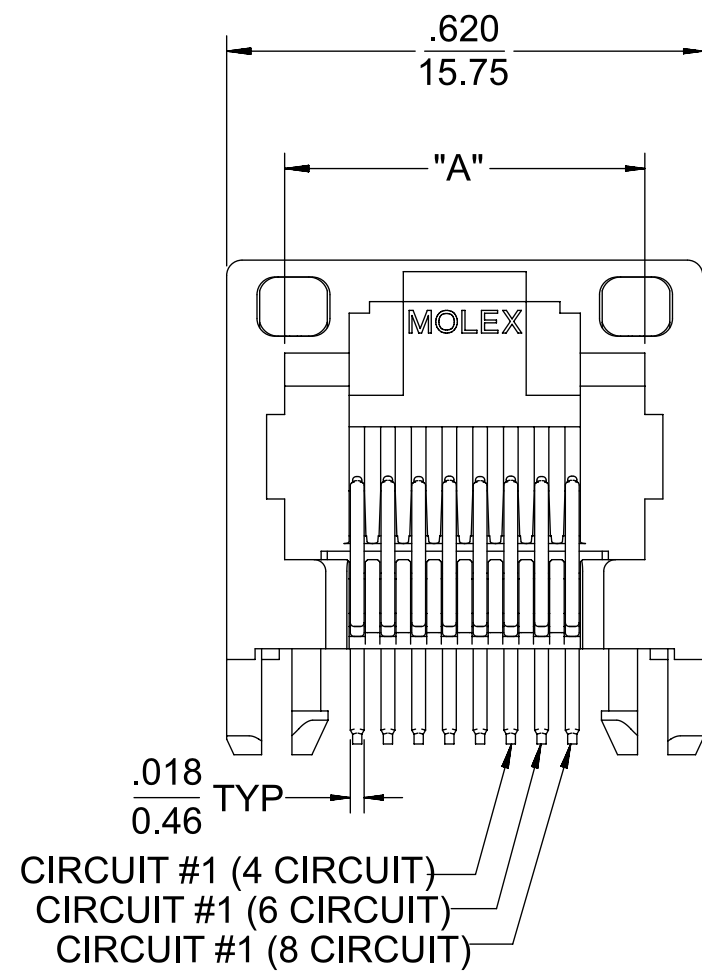
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600	
	DIMENSION UNITS	SCALE	PHASE:	
$F_A = 0$	IN/mm	4:1	CO NO:	
$F_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: Madhava M 2023-10-26	
$F_P = 0$	MM	INCH	CHK'D: Ganesh Rao B 2023-12-20	
DIVISIONAL SYMBOLS	4 PLACES ±	±	APPR: Gurunandan GA 2023-12-20	
	3 PLACES ±	± 0.0100	INITIAL REVISION:	
	2 PLACES ±	± 0.250 ±	DRWN: TALEND 1997/02/13	
	1 PLACE ±	±	APPR: FRY 1997/03/04	
	0 PLACES ±	±	ANGULAR TOL ± 0.5°	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING SERIES
			C-SIZE	43860
			DOCUMENT NUMBER	DOC TYPE   DOC PART   REVISION
			SD-43860-001	PSD 001 J
			MATERIAL NUMBER	CUSTOMER
			SEE TABLE	GENERAL MARKET
			SHEET NUMBER	
			2 OF 5	

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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	2 OF 5	



NOTES:

- 1) MATERIAL:  
 HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK  
 TERMINALS: PHOSPHOR BRONZE  
 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.
- 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
- 4) PACKAGING SPECIFICATION:  
 CONNECTOR ASSEMBLIES PACKAGED IN EXTRUDED TUBES PER MOLEX  
 PACKAGING SPECIFICATION PK-43860-004.
- 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) REFER TO SHEET (5) OF (5) FOR RECOMMENDED PCB LAYOUT.
- 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC  
 SPECIFICATION PS-45499-002.

ASSEMBLY MAT. NUM.	LIGHT PIPE MATERIAL	CONNECTOR SIZE	DIM "A"	CIRCUITS
43860-0007	POLYCARBONATE	8	.469/11.91	8
43860-0008	POLYCARBONATE	6	.389/9.88	6

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
	DIMENSION UNITS	SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600				
$\frac{F_A}{A} = 0$	IN/mm	4:1		PHASE: CO NO: DRWN: Madhava M 2023-10-26 CHK'D: Ganesh Rao B 2023-12-20 APPR: Gurunandan GA 2023-12-20				
$\frac{F_C}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)							
$\frac{F_P}{P} = 0$		MM	INCH					
	4 PLACES	±	±					
DIVISIONAL SYMBOLS		3 PLACES	±	± 0.0100				
		2 PLACES	± 0.250	±				
		1 PLACE	±	±				
		0 PLACES	±	±				
	ANGULAR TOL	± 0.5°		INITIAL REVISION: DRWN: TALEND 1997/02/13 APPR: FRY 1997/03/04				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
			C-SIZE	43860	SD-43860-001	PSD	001	J
					MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
					SEE TABLE	GENERAL MARKET	3 OF 5	

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INVERTED MODULAR JACK  
ASSEMBLY

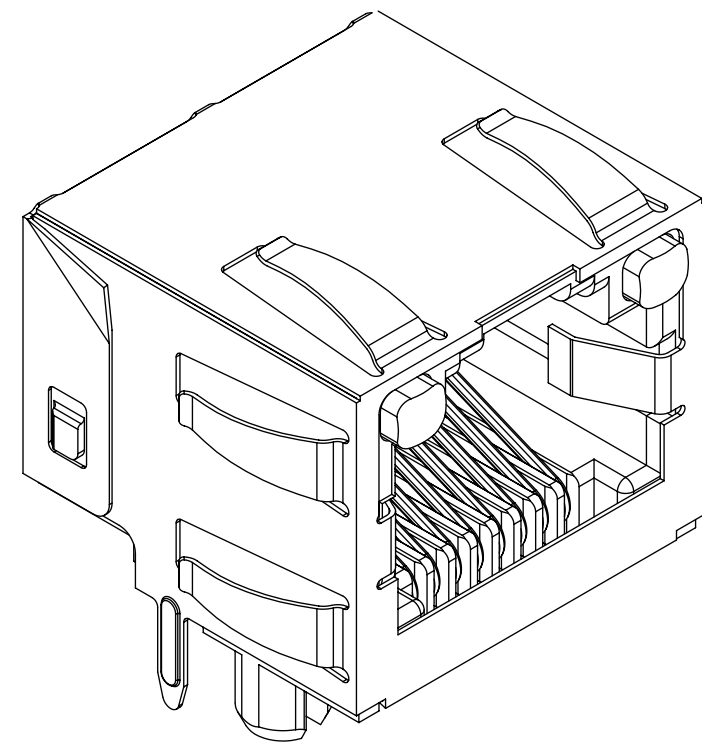
PRODUCT SALES DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION

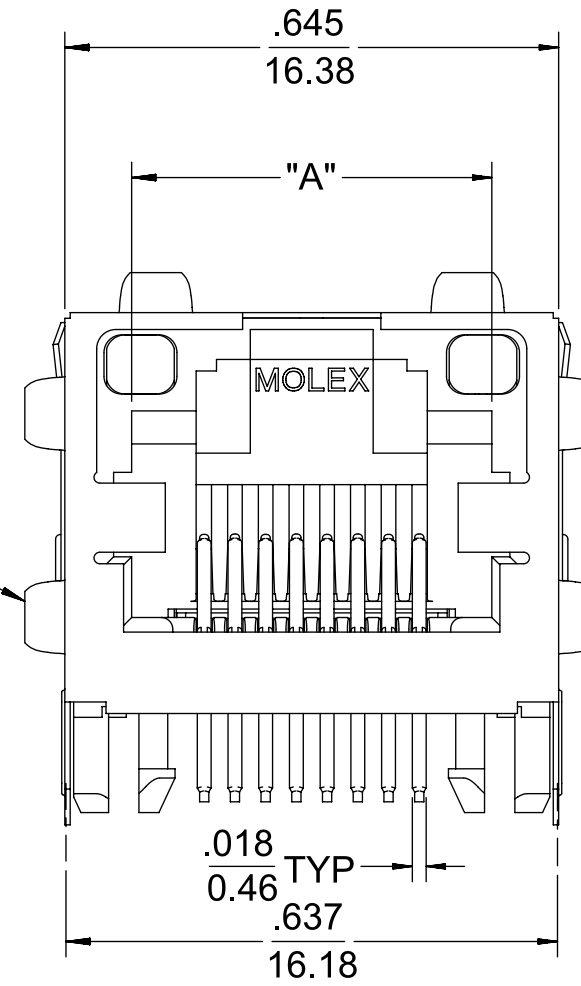
SD-43860-001 PSD 001 J

MATERIAL NUMBER CUSTOMER SHEET NUMBER

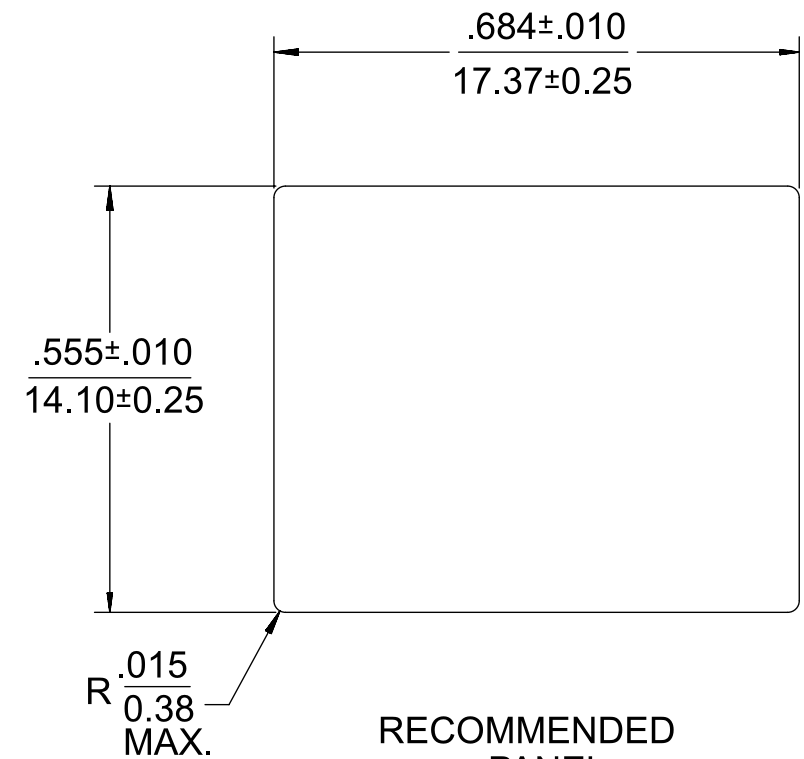
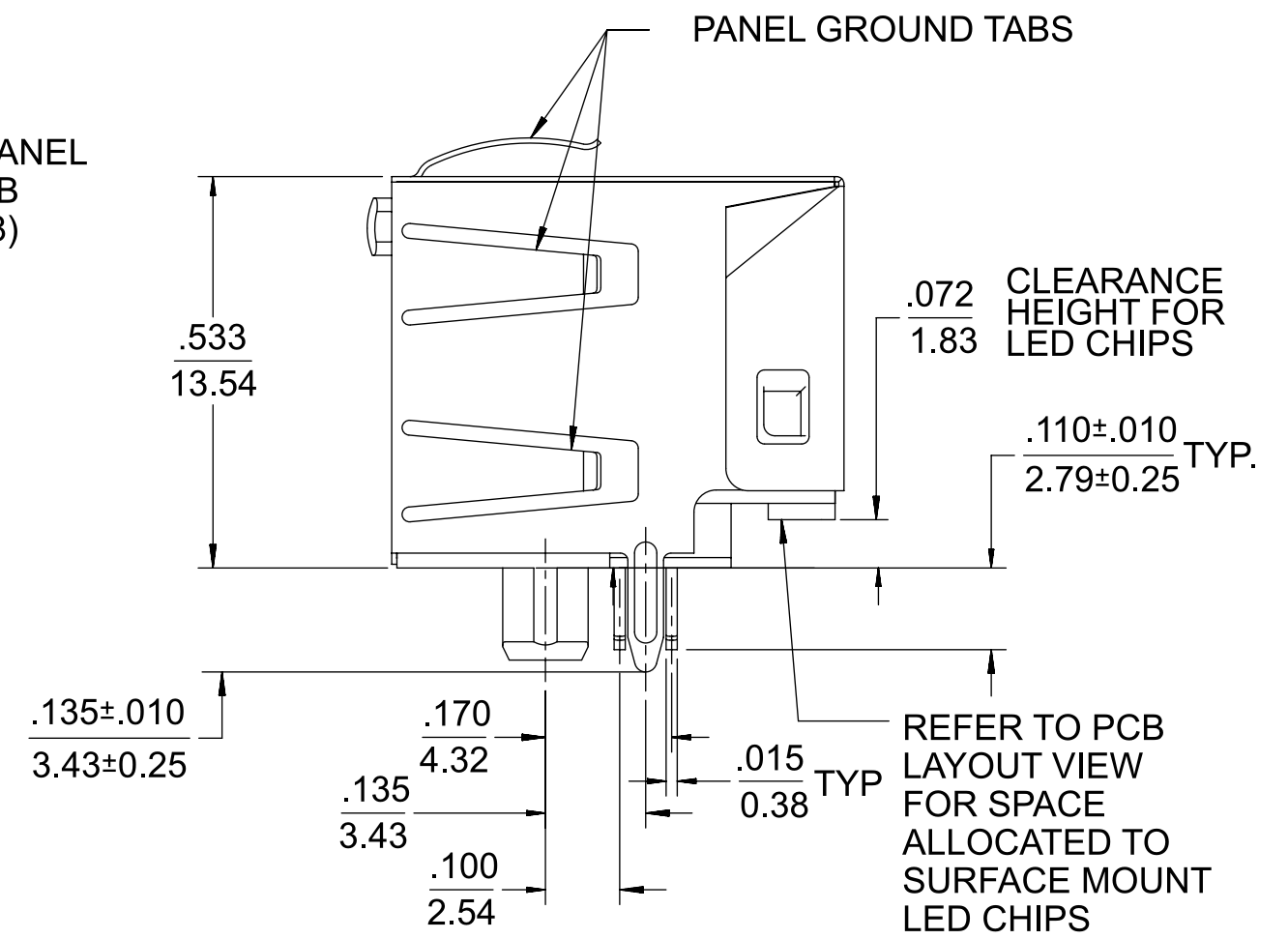
SEE TABLE GENERAL MARKET 3 OF 5



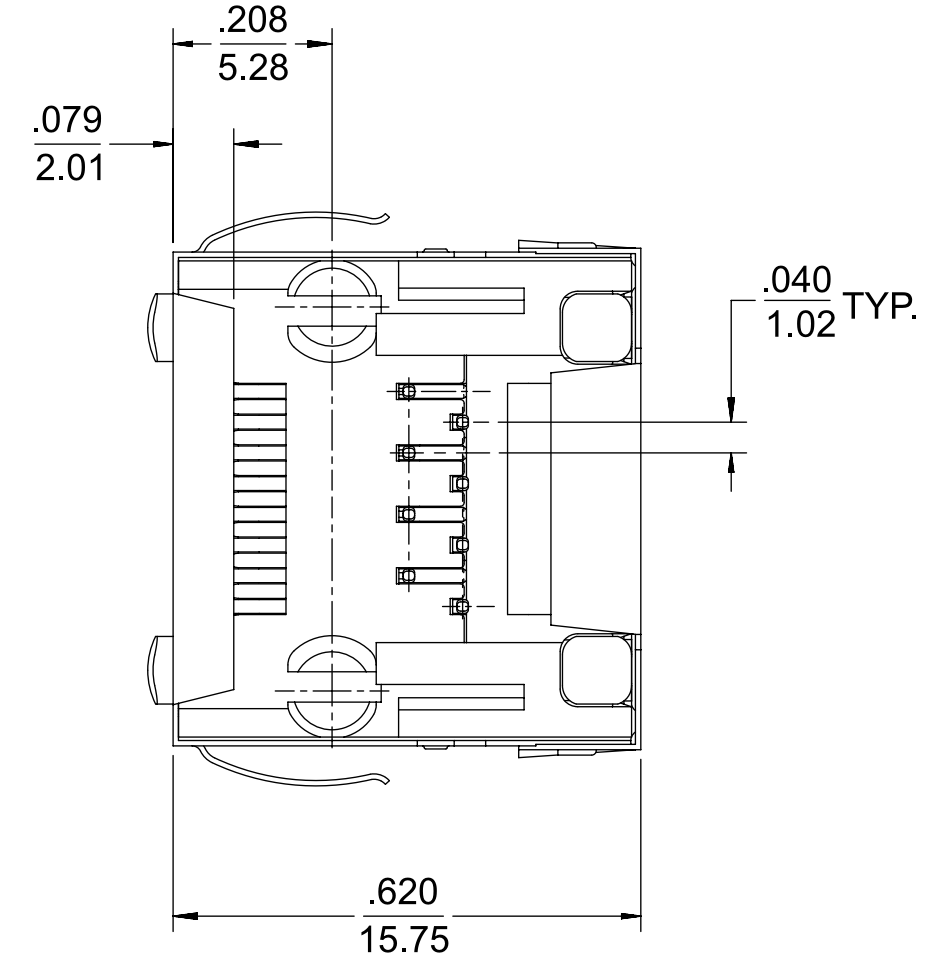
OPTIONAL PANEL GROUND TAB (SEE NOTE 8)



OPTIONAL PANEL GROUND TAB (SEE NOTE 8)



RECOMMENDED PANEL OPENING



- NOTES:
- 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)
  - 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
  - PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
  - PACKAGING SPECIFICATION:  
CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS PER MOLEX PACKAGING SPECIFICATION PK-43860-005.
  - APPLICATION SPECIFICATION: AS-43860-001
  - ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
  - CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
  - AVAILABLE WITH THE (2) SPECIFIED PANEL GROUND TABS OMITTED FOR SIDE TO SIDE STACKABILITY, PER THE ASSEMBLY MATERIAL NUMBER TABLE.
  - REFER TO SHEET (5) OF (5) FOR RECOMMENDED PCB LAYOUT.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

ASSEMBLY MAT. NUM.	LIGHT PIPE MATERIAL	CONNECTOR SIZE	DIM "A"	CIRCUITS	PANEL GROUND TABS
43860-0010	POLYCARBONATE	8	.469/11.91	8	ALL
43860-0011	POLYCARBONATE	6	.389/9.88	6	ALL
43860-0012	POLYCARBONATE	6	.389/9.88	4	ALL
43860-0016	POLYCARBONATE	8	.469/11.91	8	SEE NOTE #8
43860-0017	POLYCARBONATE	6	.389/9.88	6	SEE NOTE #8

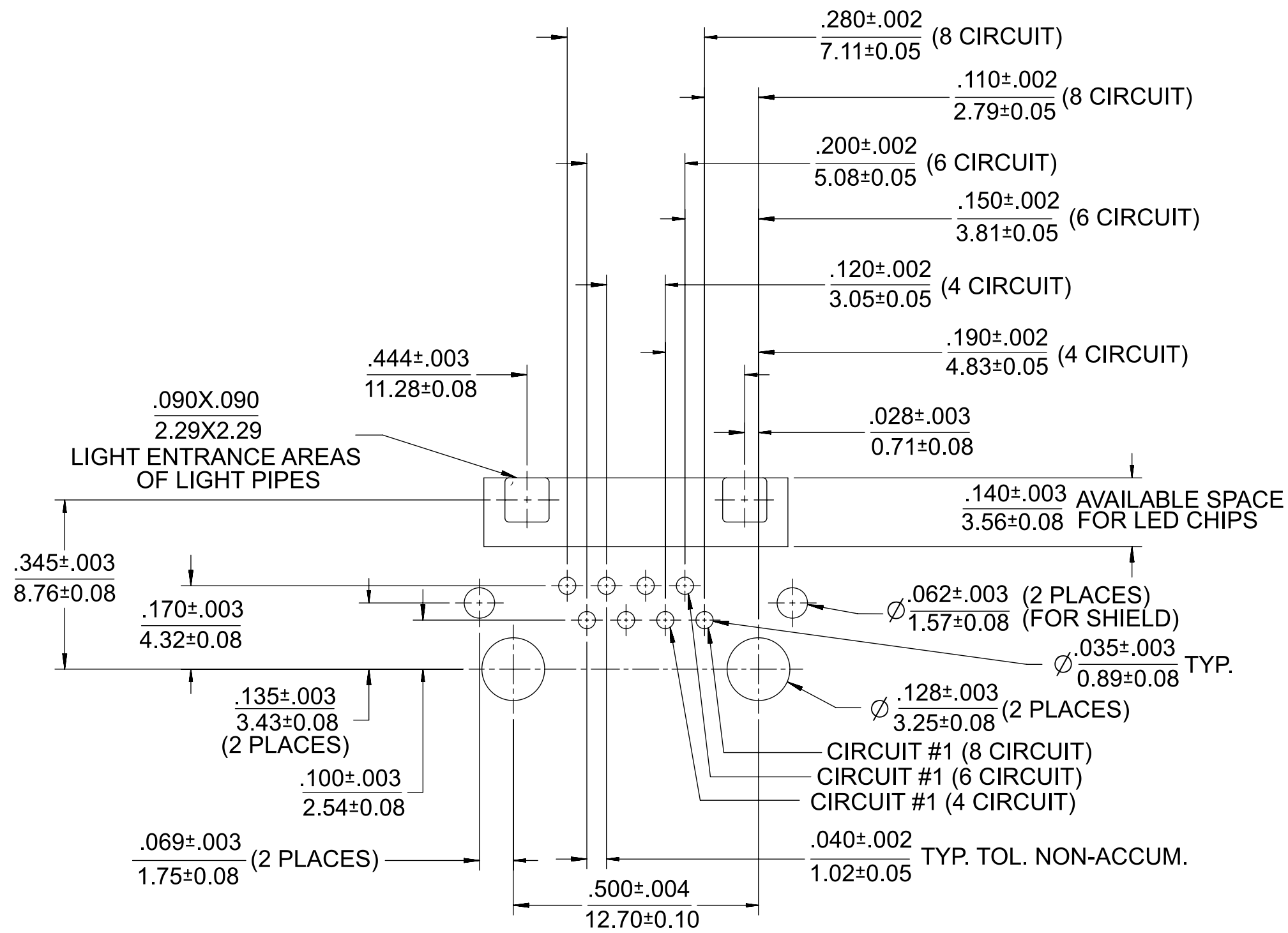
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600	
	DIMENSION UNITS	SCALE	PHASE:	
$\frac{F}{A} = 0$	IN/mm	4:1	CO NO:	
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: Madhava M 2023-10-26	
$\frac{F}{P} = 0$	MM INCH		CHK'D: Ganesh Rao B 2023-12-20	
DIVISIONAL SYMBOLS	4 PLACES	±	APPR: Gurunandan GA 2023-12-20	
	3 PLACES	±	INITIAL REVISION:	
	2 PLACES	± 0.250	DRWN: TALEND 1997/02/13	
	1 PLACE	±	APPR: FRY 1997/03/04	
	0 PLACES	±	ANGULAR TOL ± 0.5°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE	43860
		DOCUMENT NUMBER	CUSTOMER	SHEET NUMBER
		SD-43860-001	GENERAL MARKET	4 OF 5

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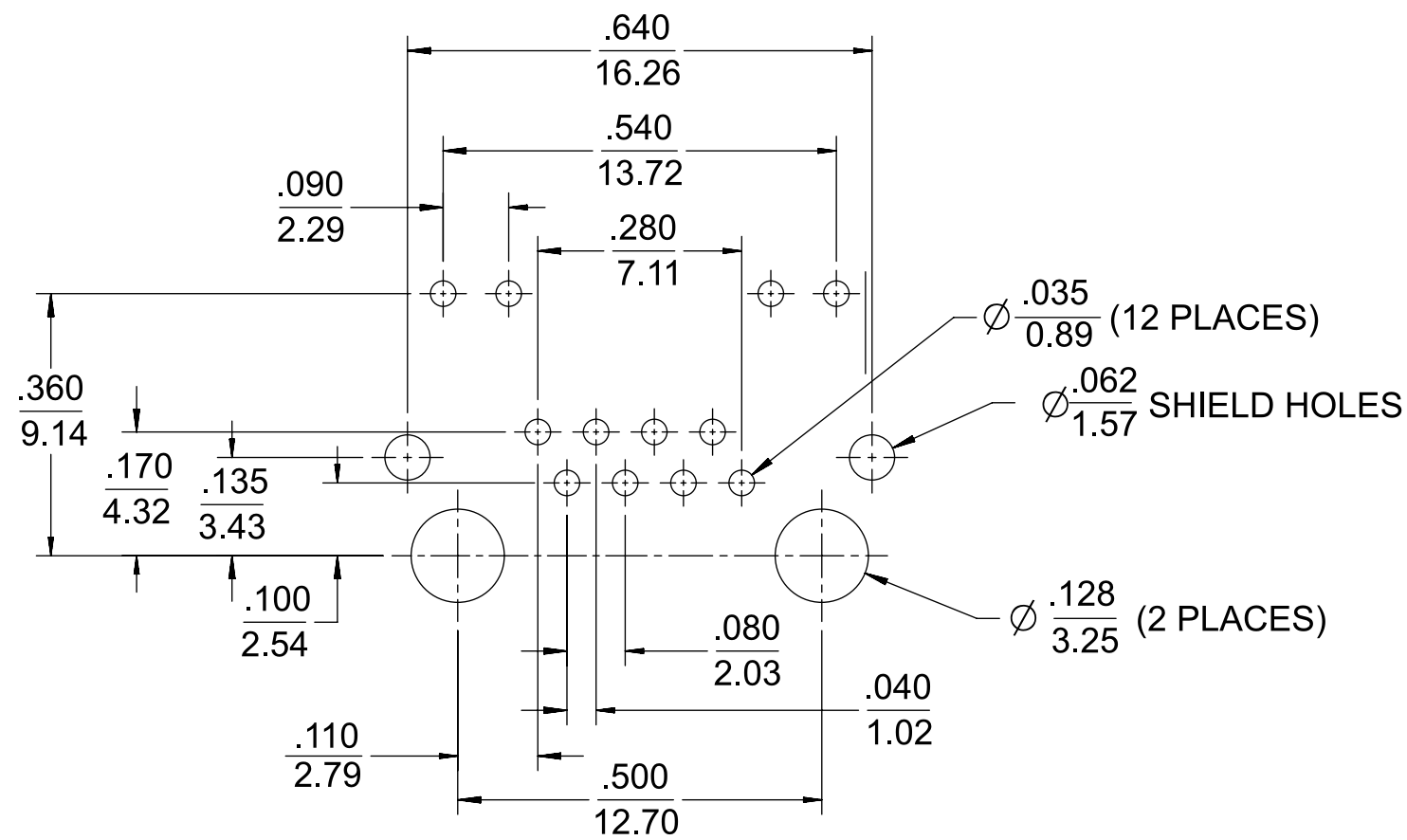
INVERTED MODULAR JACK ASSEMBLY

PRODUCT SALES DRAWING

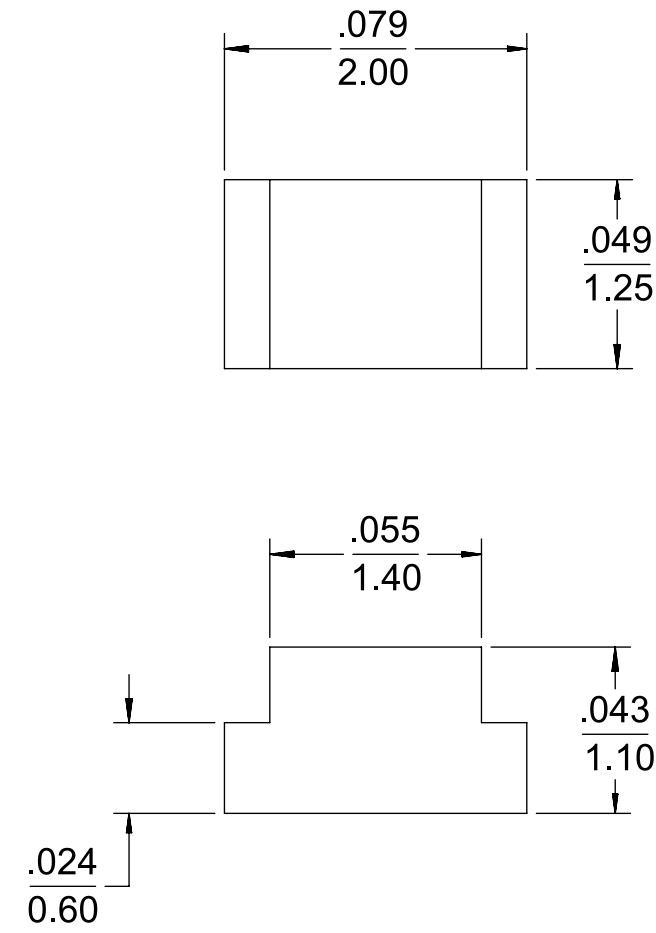
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-43860-001	PSD	001	J
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
SEE TABLE	GENERAL MARKET	4 OF 5	



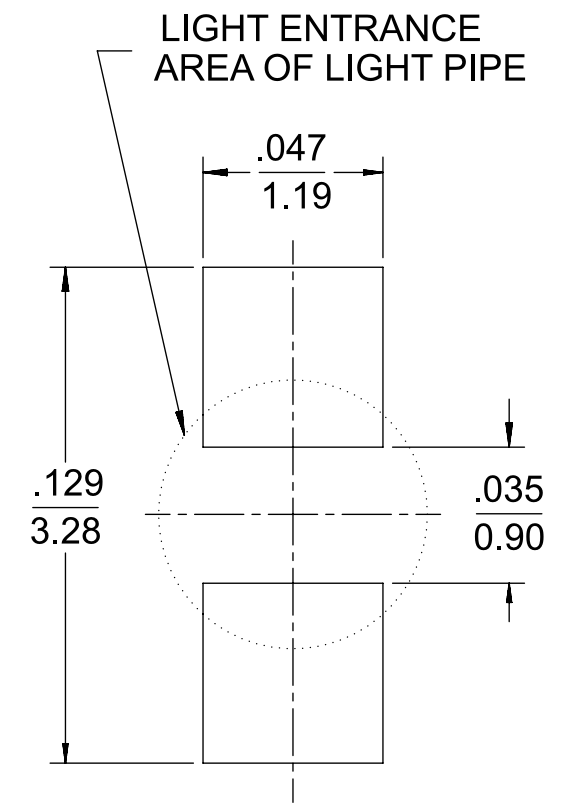
MOLEX RECOMMENDED  
PC BOARD LAYOUT  
COMPONENT SIDE OF BOARD  
RECOMMENDED PCB THICKNESS .062±.005/1.57±0.13



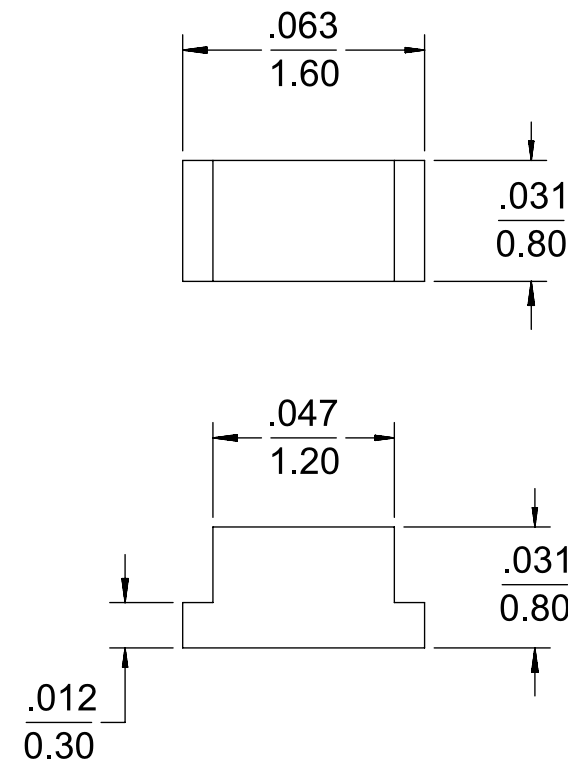
TYPICAL COMPETITION  
PCB LAYOUT WITH  
INTEGRAL LED'S  
(SHOWN FOR REFERENCE ONLY)



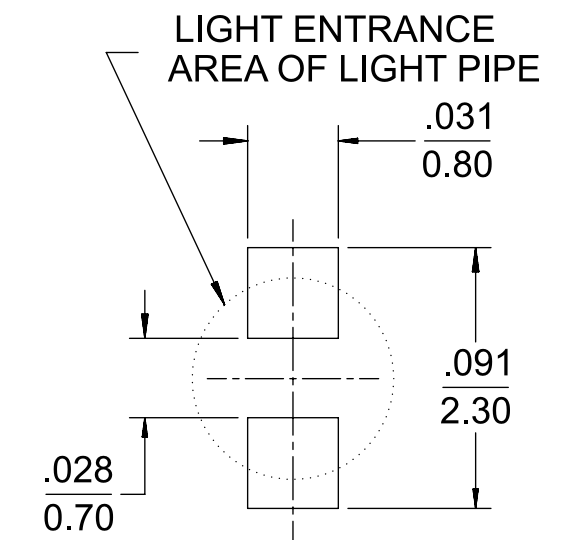
RECOMMENDED SMT  
0805 LED DIMENSIONS  
SCALE 20:1  
(SEE NOTE 1)



RECOMMENDED SMT  
0805 LED SOLDER PATTERN  
SCALE 20:1  
(SEE NOTE 1)



RECOMMENDED SMT  
0603 LED DIMENSIONS  
SCALE 20:1  
(SEE NOTE 1)



RECOMMENDED SMT  
0603 LED SOLDER PATTERN  
SCALE 20:1  
(SEE NOTE 1)

NOTES:  
1. FOR CROSS REFERENCE OF RECOMMENDED LED'S SEE MOLEX WEB SITE

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600					
	DIMENSION UNITS	SCALE							
$\frac{F_A}{A} = 0$	IN/mm	4:1		PHASE: CO NO: DRWN: Madhava M 2023-10-26 CHK'D: Ganesh Rao B 2023-12-20 APPR: Gurunandan GA 2023-12-20			INVERTED MODULAR JACK ASSEMBLY		
$\frac{F_C}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)								
$\frac{F_P}{P} = 0$		MM	INCH	INITIAL REVISION: DRWN: TALEND 1997/02/13 APPR: FRY 1997/03/04			PRODUCT SALES DRAWING		
DIVISIONAL SYMBOLS									
	4 PLACES	±	±	DOCUMENT NUMBER			DOC TYPE   DOC PART   REVISION		
	3 PLACES	±	± 0.0100						
	2 PLACES	± 0.250	±	SD-43860-001			PSD 001 J		
	1 PLACE	±	±						
	0 PLACES	±	±	MATERIAL NUMBER			CUSTOMER		
	ANGULAR TOL	± 0.5°							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION			DRAWING		
				C-SIZE			SERIES		
				43860			SEE TABLE		
				GENERAL MARKET			SHEET NUMBER		
				5 OF 5					