

## Excellent Integrated System Limited

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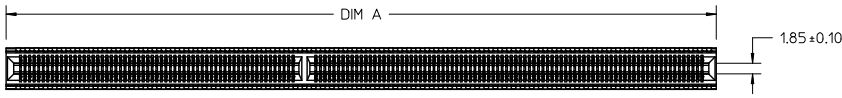
[Molex Connector Corporation](#)

[1706731046](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

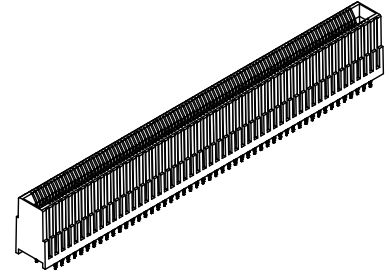
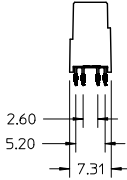
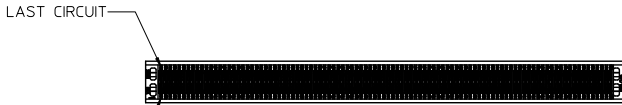
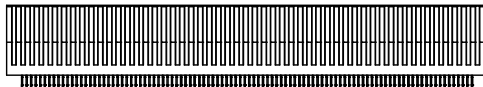
PART NUMBER	VERSION	BAY 1/BAY 2	TOTAL CIRCUITS	DIM A	SALES DRAWING (SEE NOTE 8)
170673-2278	2 BAY	146/132	278	118.63	SD-170673-2278
170673-1200	1 BAY	200	200	84.20	SD-170673-1200
170673-2108	2 BAY	86/22	108	50.63	SD-170673-2108
170673-2080	2 BAY	52/28	80	39.43	SD-170673-2080
170673-1046	1 BAY	46	46	22.60	SD-170673-1046



2 BAY EDGELINE



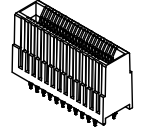
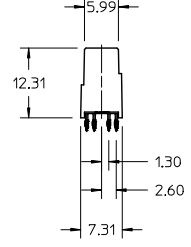
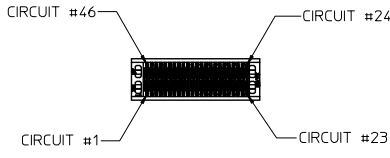
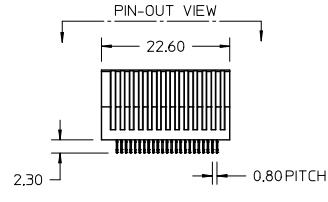
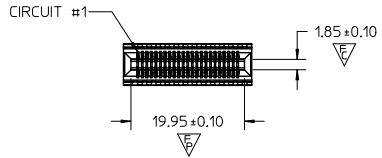
1 BAY EDGELINE



NOTES:

- MATERIAL:  
HOUSING - GLASS FILLED THERMOPLASTIC, 94-VO, BLACK  
TERMINALS - COPPER ALLOY
- FINISH:  
CONTACT AREA: HARD GOLD -0.76µm MIN OVER 3.80µ NICKEL  
COMPLIANT AREA: TIN - 0.76/1.52µm OVER NICKEL
- REFER TO PS-75594-999 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
- PROCESSING: PRESSFIT TO PC BOARD.
- MATING PC BOARD THICKNESS = 1.60±0.16MM OVER CONTACT PADS.
- PRODUCT IS ELV AND RoHS COMPLIANT. LEVEL OF COMPLIANCE: 6/6  
ALL BANNED SUBSTANCES ARE REMOVED:  
Pb (LEAD)  
HEXAVALENT CHROMIUM (CrVI)  
CADMIUM  
MERCURY  
POLYBROMINATED BIPHENYL (PBB)  
POLYBROMINATED DIPHENYL ETHER (PBDE)
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002
- FOR EDGE CARD AND MOUNTING PCB LAYOUT DETAIL SEE CORRESPONDING SALES DRAWING.

RELEASED REV A EC NO: UCP201F-2702 DRAWN/DROSCA 2011/03/07 CHKD: JCOMERC I 2011/03/28 APPR: JCOMERC I 2011/03/28	QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± 1/2°	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		DRAWN BY DROSCA DATE 2010/06/22	CHECKED BY JCOMERC I DATE 2010/06/22	TITLE EDGELINE 12.5GB 0.062"PCB 0.8MM PITCH			
		APPROVED BY JCOMERC I DATE 2010/10/25	MATERIAL NO. SEE TABLE MOLEX INCORPORATED				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					DOCUMENT NO. SD-170673-0001

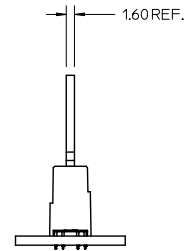
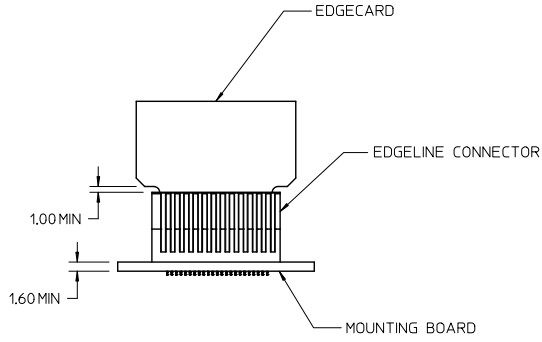


NOTES:

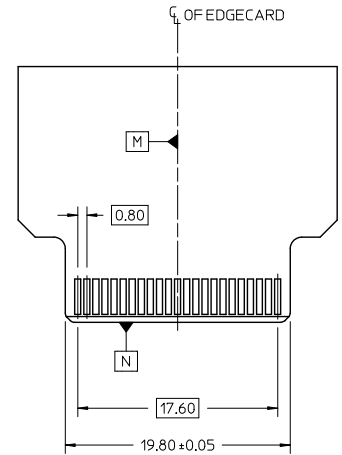
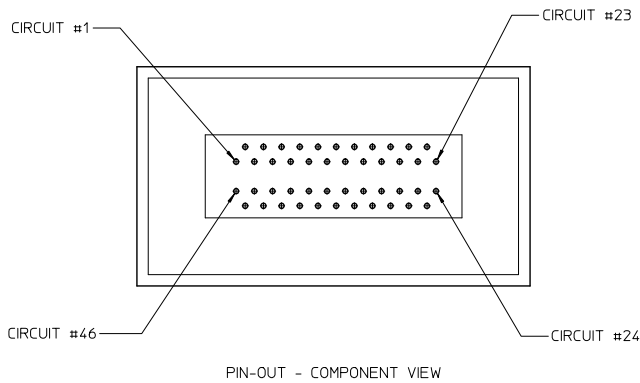
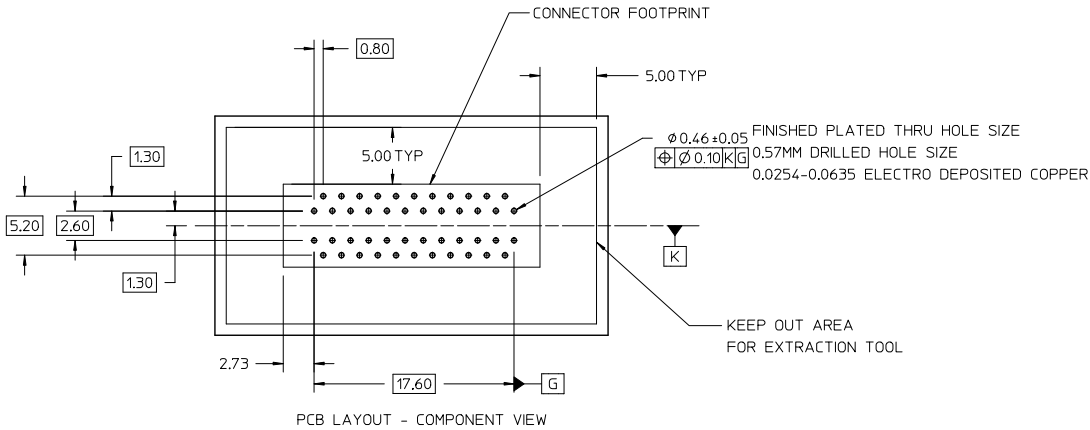
1. MATERIAL:  
HOUSING - GLASS FILLED THERMOPLASTIC, 94-V0, BLACK  
TERMINALS - COPPER ALLOY
2. FINISH:  
CONTACT AREA: HARD GOLD -0.76µm MIN OVER 3.80µ NICKEL  
COMPLIANT AREA: TIN - 0.76/1.52µm OVER NICKEL
3. REFER TO PS-75594-999 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
4. REFER TO PK-76693-900 FOR ALL PACKAGING SPECIFICATIONS.
5. PROCESSING: PRESSFIT TO PC BOARD.
6. MATING PC BOARD THICKNESS = 1.60±0.16MM OVER CONTACT PADS.
7. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002

CORRECT EDGE CARD WIDTH TOLERANCE IEC NO: UCP-2016-4620 D: 2016/06/02 CHKD: APPROX/LOWMAN 2016/06/13 DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- ± ---	mm	INCH	DRAWN BY DROSCA	DATE 2011/03/18	TITLE EDGELINE 12.5GB 46CKTS 0.062"PCB 0.8MM PITCH
	▽=1	3 PLACES ± --- ± ---			CHECKED BY JCOMERC I	DATE 2011/03/28	
	▽=1	2 PLACES ± 0.15 ± ---			APPROVED BY JCOMERC I	DATE 2011/03/28	
		1 PLACE ± 0.25 ± ---			MATERIAL NO. 1707631046		DOCUMENT NO. SD-170673-1046
		0 PLACE ± ±			ANGULAR ± 2 °		SHEET NO. 1 OF 4
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

EDGELINE CONNECTOR BOARD MOUNTING



SEE SHEET 1 IEC NO: UCP2016-4620 DRAWINGS: 2016/06/02 CHKD: APPROVED APPROVED BY: APPROVED DATE: 2016/06/13	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	mm INCH --- --- --- --- --- --- --- --- --- ---	DRAWN BY DROSCA	DATE 2011/03/18	TITLE EDGELINE 12.5GB 46CKTS 0.062"PCB 0.8MM PITCH		
ANGULAR ± 2 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY JCOMERC I	DATE 2011/03/28	APPROVED BY JCOMERC I	DATE 2011/03/28	MATERIAL NO. SEE SHEET 1	DOCUMENT NO. SD-170673-1046	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

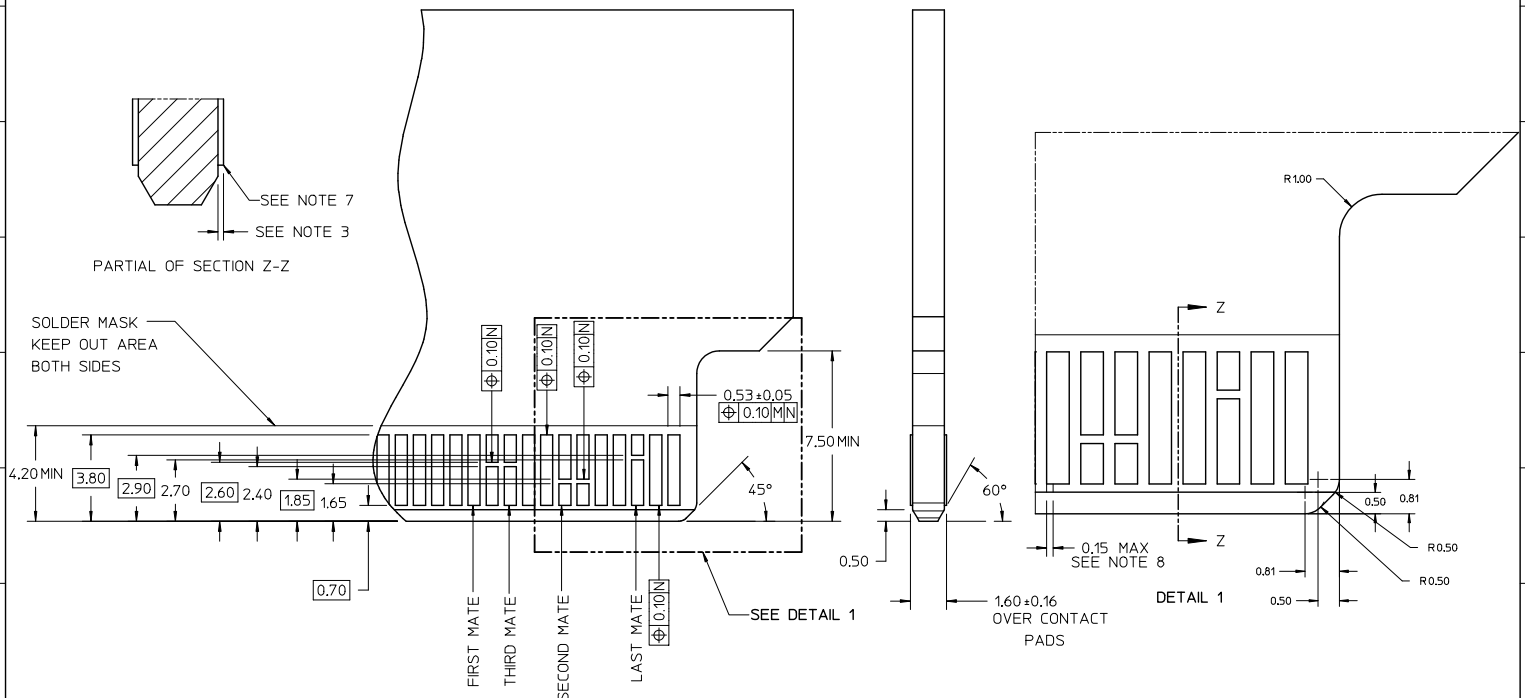


SEE SHEET 1 EC NO: UCP2016-4620 DRAWN BY: 2016/06/02 CHECKED BY: 2016/06/13 APPROVED BY: GUNAN DESCRIPTION:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	MM ONLY	4:1	METRIC	DRAWN BY: DROSCA DATE: 2011/03/18 CHECKED BY: JCOMERC I DATE: 2011/03/28 APPROVED BY: JCOMERC I DATE: 2011/03/28	TITLE: EDGELINE 12.5GB 46CKTS 0.062"PCB 0.8MM PITCH
	ANGULAR ± 2 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 1	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
						3 OF 4	

**molex**

SD-170673-1046

MODULE EDGE CARD CONTACT DETAIL



MATING PCB NOTES:

1. CONNECTOR LAND CONDITIONS SHALL MEET THE MOST CURRENT REVISION OF PCB SPECIFICATION IPC-6012C-2010 SECTION 3.5.4.4.
2. DIMENSIONS APPLY TO LANDS ON BOTH SIDES OF THE BOARD.
3. THE THICKNESS OF THE OUTER METAL LAYERS, INCLUDING FOIL, COPPER PLATING, AND THE PROTECTIVE SURFACE FINISH, SHALL BE 0.066mm MAX.
4. CHAMFER ROUGHNESS NOT TO EXCEED 3.17 MICROMETERS.
5. CHAMFER PROCESS SHALL NOT DAMAGE THE GOLD EDGE LANDS.
6. EDGE CARD CHAMFER NOT TO GO THRU GOLD LANDS.
7. 0.03mm MAX PLATING OVERHANG ON ALL GOLD LAND EDGES.
8. MOLEX RECOMMENDS NO TIE-BARS ON THE LEADING EDGE OF THE GOLD LAND. IF TIE-BARS ARE USED, THEY SHALL BE PLACED TO ONE SIDE OF THE GOLD LAND. APPLIES TO ALL GOLD LANDS.

SEE SHEET 1 EC NO: UCF2016-4620 DRWNGES: 2016/06/02 CHKD: APPROVED: GJMAN 2016/06/13 DESCRIPTION:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	∇=0 ∇=0 ∇=0	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	MM ONLY DRAWN BY: DROSCA DATE: 2011/03/18 CHECKED BY: JCOMERC I DATE: 2011/03/28 APPROVED BY: JCOMERC I DATE: 2011/03/28	8:1	METRIC	EDGELINE 12.5GB 46CKTS 0.062"PCB 0.8MM PITCH
SEE SHEET 1 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 2 ° MATERIAL NO. SEE SHEET 1 SIZE C	INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MOLEX SD-170673-1046	SHEET NO. 4 OF 4		