

## Excellent Integrated System Limited

Stocking Distributor

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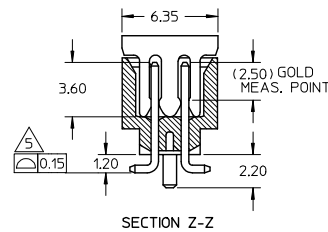
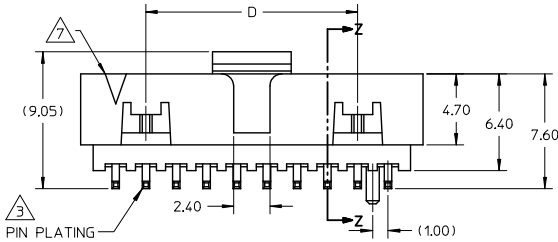
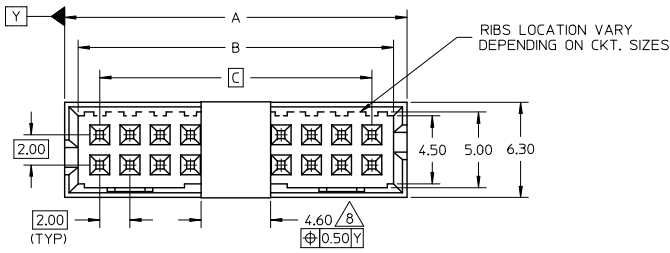
[Molex Connector Corporation](#)  
[0878321250](#)

For any questions, you can email us directly:

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

10	9	8	7	6	5	4	3	2	1
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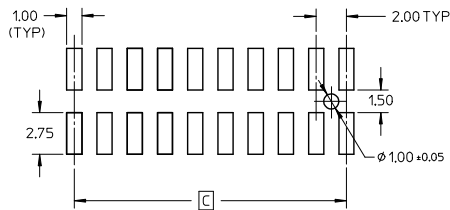
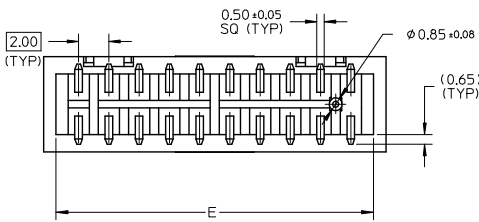
CKT SIZE	A	B	C	D	E
8	10.65	8.85	6.00	-----	9.00
12	14.65	12.85	10.00	-----	13.00
22	24.65	22.85	20.00	16.00	23.00



**NOTES:**

- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
- MATERIAL : HOUSING & CAP : 30% G.F., NYLON 46, UL94V-0, COLOR BLACK, PIN : 0.50MM SQ.PHOSPHOR BRONZE.
- PLATING : 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN.TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN.NICKEL OVERALL.
- PRODUCT SPECIFICATION PS-87831-027 APPLIES.
- COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE.
- NO SIDE LOCKING SLOT FROM 4 TO 12 CKT SIZE. CKT 4 & 6 HAS NO IDENTIFICATION TAG.
- POSITION OF CAP TO BE LOCATED AT CENTER OF DIMENSION 'A' REGARDLESS OF CIRCUIT SIZE.
- TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK-&-PLACE BY VACUUM SUCTION NOZZLE.
- THIS HEADER MATES WITH MOLEX:
  - a) CRIMP RECEPTACLE HOUSING, 5110 SERIES WITH CRIMP TERMINAL, 50394 SERIES.
  - b) 2MM MILLIGRID DUAL ROW IDT, 87568 SERIES.
- NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 AND 6.
- PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.
- PACKAGING SPECIFICATION:

TAPE AND REEL PACKAGING	PK-87832-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR:	PK-87831-002
87832-2250	



RECOMMENDED PCB PATTERN

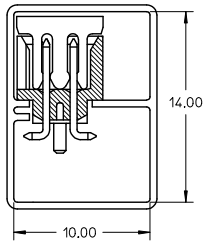
ADD NOTE 13 EC No: S2017-0022 DRAWING: EMERALD 2016/06/29 CHKD: SCHEONG 2016/07/27 APPR: KILLIN 2016/07/28 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± ---	MM ONLY	NTS	METRIC		
		ANGULAR ± 3°	DRAWN BY	DATE	TITLE		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SKANG	2009/05/06	MGRID, SHROUDED HEADER SMT, W/SINGLE PEG/CAP IN TUBE AND T&R		
			CHECKED BY	DATE			
			ATSEE	2009/05/12			
			APPROVED BY	DATE			
			MLONG	2009/05/13			
			MATERIAL NO.	DOCUMENT NO.			
			SEE TABLE	SD-87832-036			
			SIZE				
			A3				
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
						SHEET NO. 1 OF 3	

9	8	7	6	5	4	3	2	1
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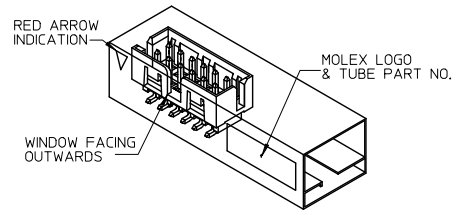
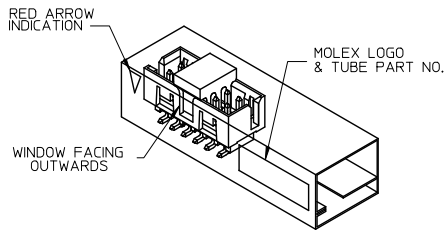
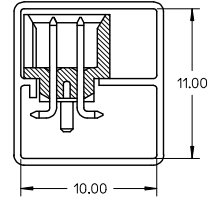
10 9 8 7 6 5 4 3 2 1

TUBE PACKAGING

WITH CAP IN TUBE



WITHOUT CAP IN TUBE



REF : ORIENTATION OF PART IN TUBE  
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY)

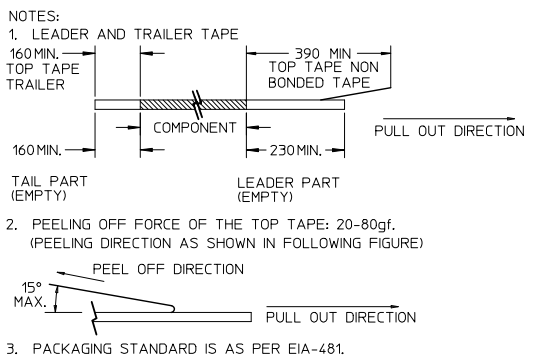
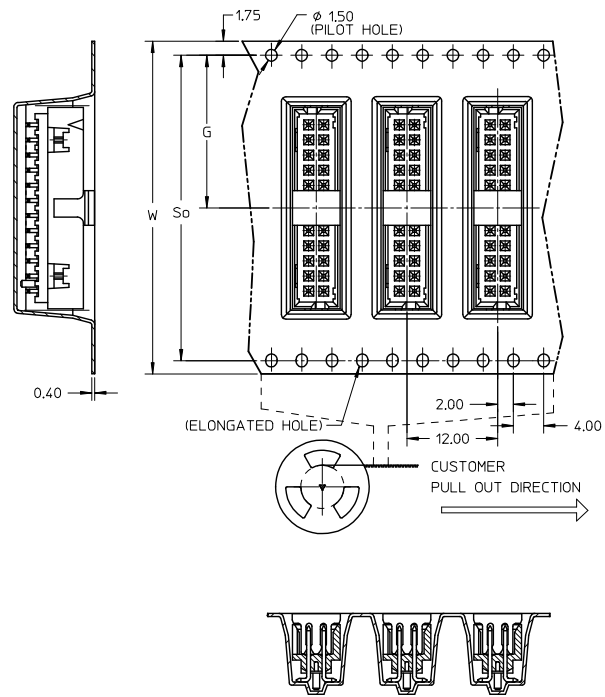
SEE SHEET 1 IEC NO: S2017-0022 DRAWN BY: 2016/06/29 CHECKED: 2016/07/27 APPR: 2016/07/28 A3	QUALITY SYMBOLS √=0 √=0 √=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: SKANG DATE: 2009/05/06 CHECKED BY: ATSEE DATE: 2009/05/12 APPROVED BY: MLONG DATE: 2009/05/13 MATERIAL NO. SEE TABLE	SCALE: NTS DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: MGRID, SHROUDED HEADER SMT, W/SINGLE PEG/CAP IN TUBE AND T&R <b>molex</b> DOCUMENT NO. SD-87832-036 SHEET NO. 2 OF 3
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	SIZE: A3				
	REV:				

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

P/N W/O CAP IN TUBE	P/N W/CAP IN TUBE	P/N W/CAP IN TAPE & REEL	CKT SIZE	DIMENSION		
				W	G	So
87832-0850	87832-0852	87832-5352	8	24.00	11.50	-----
87832-1250	87832-1252	87832-5552	12	32.00	14.20	28.40
87832-2250	87832-2252	87832-6052	22	44.00	20.20	40.40

EMBOSSED CARRIER TAPE LAYOUT  
24 CKT USE FOR ILLUSTRATION ONLY



QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm	INCH	MM ONLY	DATE			
√=0	4 PLACES ± ---	± ---	DRAWN BY	2009/05/06	NTS	METRIC	MGRID, SHROUDED HEADER SMT, W/SINGLE PEG/CAP IN TUBE AND T&R
√=0	3 PLACES ± ---	± ---	CHECKED BY	2009/05/12			
√=0	2 PLACES ± 0.20	± ---	APPROVED BY	2009/05/13			
√=0	1 PLACE ± ---	± ---	MATERIAL NO.	SD-87832-036			
√=0	0 PLACE ± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOCUMENT NO.		SHEET NO. 3 OF 3

9 8 7 6 5 4 3 2 1