

Excellent Integrated System Limited

Stocking Distributor

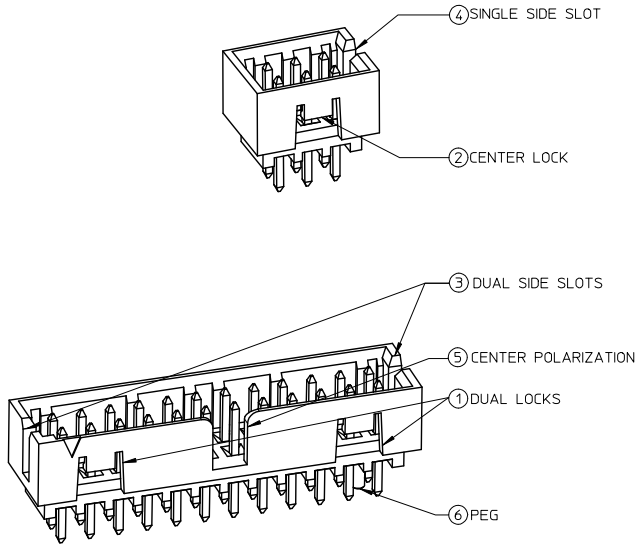
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0878310628](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

FEATURES SELECTION GUIDE



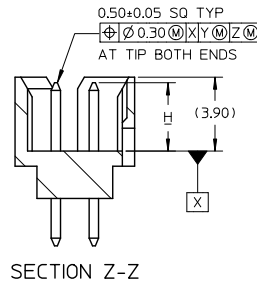
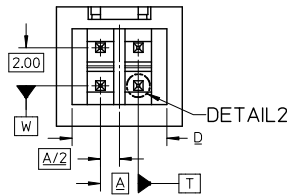
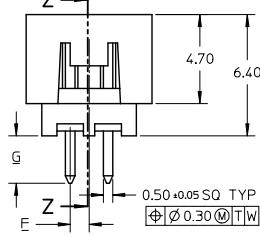
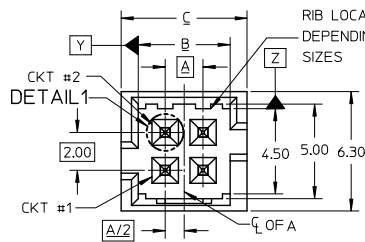
CIRCUIT SIZE	FEATURES						SHEET NO
	FRICTION LOCKS		SIDE SLOTS		⑤ CENTER POLARIZATION	⑥ PEG	
	① DUAL	② CENTER	③ DUAL	④ SINGLE			
4	N.A	N.A	YES	N.A	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	N.A	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	N.A	YES	
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	YES	N.A	N.A	YES	
	N.A	YES	N.A	YES	N.A	N.A	
	N.A	YES	N.A	YES	N.A	YES	
	N.A	N.A	YES	N.A	YES	N.A	
8 TO 12	N.A	N.A	YES	N.A	YES	N.A	6 - 8
	N.A	N.A	YES	N.A	YES	YES	
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	YES	N.A	N.A	YES	
	N.A	YES	N.A	YES	N.A	N.A	
	N.A	YES	N.A	YES	N.A	YES	
14 TO 50	YES	N.A	YES	N.A	YES	N.A	9 - 13
	YES	N.A	YES	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

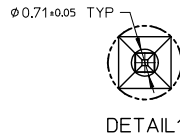
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TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR:	PK-87831-002
87831-0419 87831-0645	
87831-5141 87831-0632	
87831-0443 87831-5119	
87831-5241 87831-1011	
87831-5242 87831-1420	
87831-0643	

ADD PK TABLE EC NO: S2017-0022 DRAWN BY: DRINGMEARLY 2016/07/04 CHKD BY: CHYO SCHEONG 2016/07/27 APPR BY: KHL IM 2016/07/28 A5	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					MM ONLY		NTS	METRIC		
					DRAWN BY GMEARLY DATE 2015/04/15		TITLE			
					CHECKED BY CGOH DATE 2015/06/29		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER			
					APPROVED BY KHL IM DATE 2015/06/29		molex			
					MATERIAL NO.		DOCUMENT NO.			
					SEE TABLE		SD-87831-0001			
REV			ANGULAR ± 3 °						SHEET NO. 1 OF 13	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

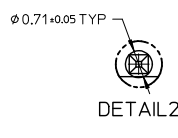
4 CIRCUITS



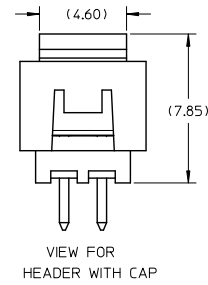
SECTION Z-Z



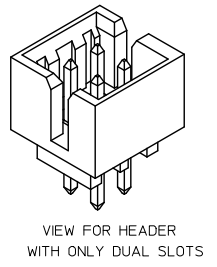
DETAIL1



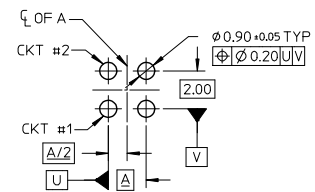
DETAIL2



VIEW FOR
HEADER WITH CAP



VIEW FOR HEADER
WITH ONLY DUAL SLOTS

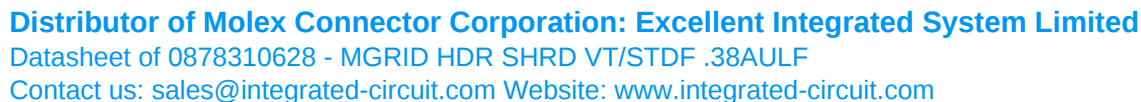


RECOMMENDED PCB LAYOUT

NOTES:

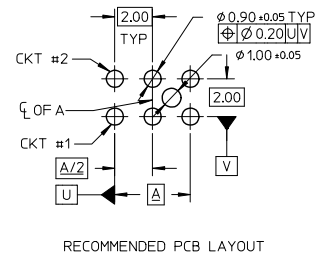
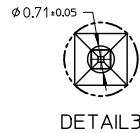
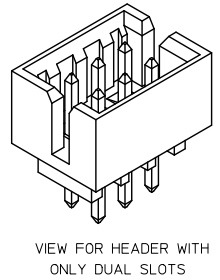
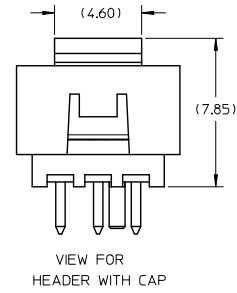
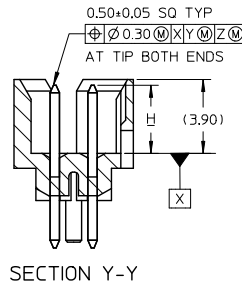
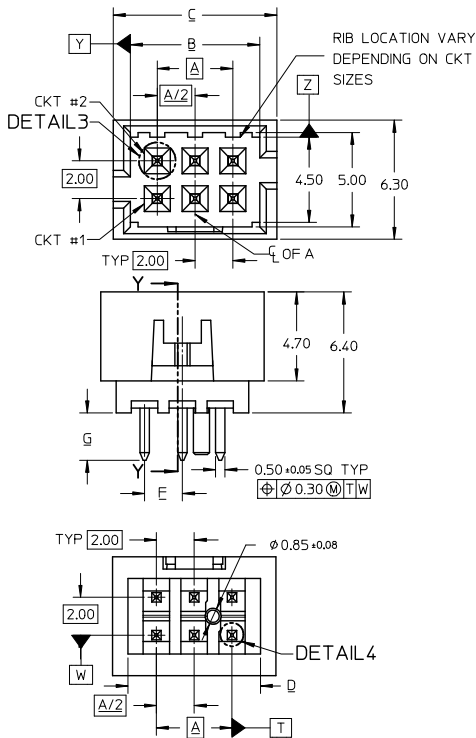
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)

EDIT NOTE 4 EC NO: S2077-0022 DRAWN BY: GMENARLY CHKD BY: CHOKSACHONG APPR: KHLIM 2016/07/28	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION				
						MM ONLY		NTS	METRIC					
				mm	INCH	DRAWN BY	DATE	TITLE						
			 =0	4 PLACES	± ---	± ---	GMENARLY	2015/04/15	MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex					
			 =0	3 PLACES	± ---	± ---	CHECKED BY	DATE						
			 =0	2 PLACES	± 0.20	± ---	CGOH	2015/06/29						
			 =0	1 PLACE	± ---	± ---	APPROVED BY	DATE						
				0 PLACE	± ---	± ---	KHLIM	2015/06/29						
						ANGULAR ± 3°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
						DRAFT WHERE APPLICABLE		SEE TABLE		SD-87831-0001		2 OF 13		
			MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



tb_frame_A3_P_AM_T
Rev. G 2012/01/11

6 CIRCUITS



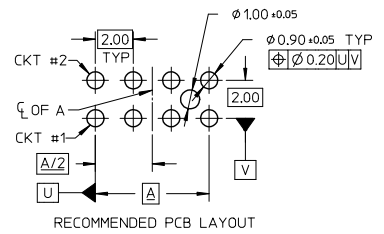
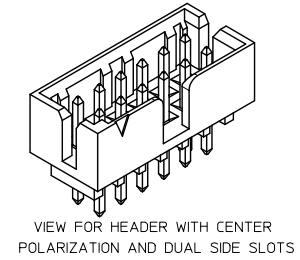
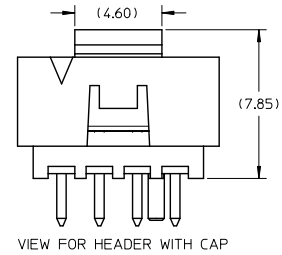
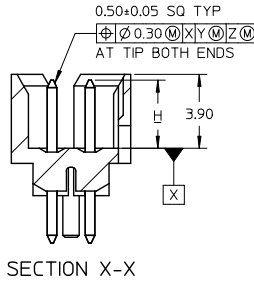
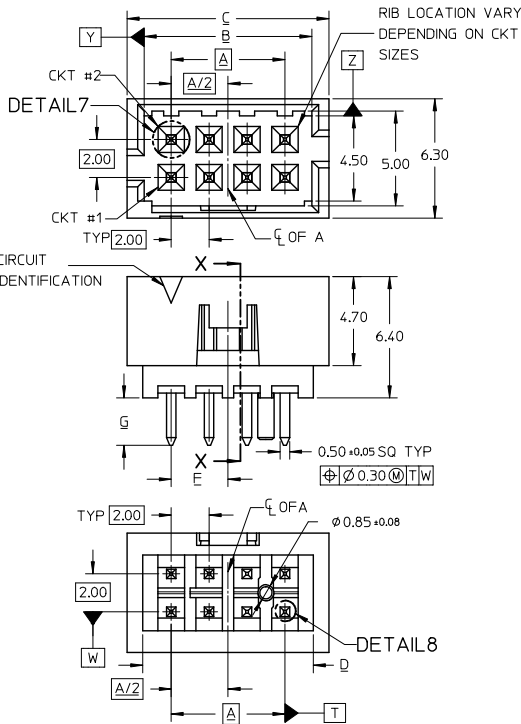
NOTES:

1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 5110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)

EDIT NOTE 4 EC NO: S2017-0022 DRAWN BY: GMENARLY CHKD: SCHEONG APPR: KHL IM REV: A5	2016/07/04	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	2016/07/27				mm	INCH	DRAWN BY GMENARLY	DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
	2016/07/28		▽=0	4 PLACES	±	---	±	---	CHECKED BY CGOH	DATE 2015/06/29	molex			
			▽=0	3 PLACES	±	---	±	---	APPROVED BY KHL IM	DATE 2015/06/29				
			▽=0	2 PLACES	±	0.20	±	---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87831-0001		SHEET NO. 4 OF 13	
				1 PLACE	±	---	±	---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				0 PLACE	±	---	±	---						
				ANGULAR ± 3°										
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

	10	9	8	7	6	5	4	3	2	1																	
	6 CIRCUITS																										
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION							F								
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H								
E	6	87831-0619	N.A	N.A	1	N.A	N.A	YES	N.A	N.A	N.A	4.00	6.85	8.65	7.00	N.A	N.A	2.50	3.60±0.20	E							
		87831-0620	N.A	N.A	2												N.A	2.50									
		87831-0621	N.A	N.A	3												N.A	2.50									
		87831-0636	N.A	N.A	4												N.A	2.50									
		87831-0628	N.A	N.A	2	N.A	N.A	YES	N.A	N.A	YES						2.00	2.50	3.60 ^{+0.15} _{-0.10}								
		87831-0629	N.A	N.A	3													2.50									
		87831-0641	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A							2.50									
		87831-0642	N.A	87831-5552	3													2.50									
		87831-5241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A						2.00	3.50									
		87831-5242	N.A	N.A	3													2.80									
87831-6241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A							2.50		3.60 ^{+0.15} _{-0.10}									
87831-6242	N.A	N.A	3													2.50											
87831-0643	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A							2.00				2.50							
87831-0644	N.A	N.A	3																	2.50							
87831-0645	N.A	N.A	2	N.A	YES	N.A	YES	N.A	YES									2.50									
87831-0646	N.A	N.A	3																2.50								
87831-0632	N.A	N.A	2	N.A	YES	YES	N.A	N.A	YES										2.50								
87831-5119	N.A	N.A	1						N.A	2.50	3.60±0.20	D															
C																					C						
B																					B						
A	PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL. SEE SHEET 1.2.4.6.8-10 EC NO: S2017-0022 DRW:GEMARLY 2016/07/04 CHKD:SCHEONG 2016/07/27 APPR:KHLIM 2016/07/28 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 DATE GEMARLY 2015/04/15 CHECKED BY DATE CGOH 2015/06/29 APPROVED BY DATE KHLIM 2015/06/29 SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex MATERIAL NO. SEE TABLE DOCUMENT NO. SD-87831-0001 SHEET NO. 5 OF 13 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				A						
	10	9	8	7	6	5	4	3	2	1																	

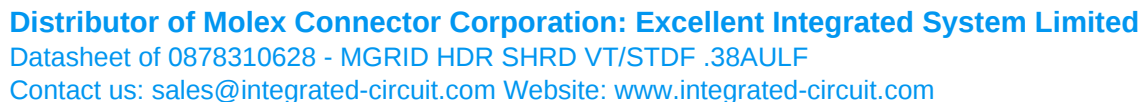
8 TO 12 CIRCUITS



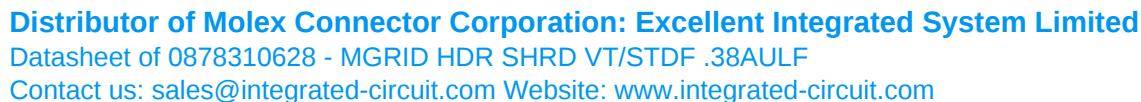
NOTES:

1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)

EDIT NOTE 4 EC NO: S2077-0022 DRAWN:GEMARLY CHKD:SCHEONG APPR:KHLIM		QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
						MM ONLY		NTS	METRIC		
A5		 =0  =0  =0	REV		mm	INCH	DRAWN BY	DATE	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex		
				4 PLACES	± ---	± ---	GEMARLY	2015/04/15			
				3 PLACES	± ---	± ---	CHECKED BY	DATE			
				2 PLACES	± 0.20	± ---	CGOH	2015/06/29			
				1 PLACE	± ---	± ---	APPROVED BY	DATE			
				0 PLACE	± ---	± ---	KHLIM	2015/06/29			
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87831-0001		6 OF 13			
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

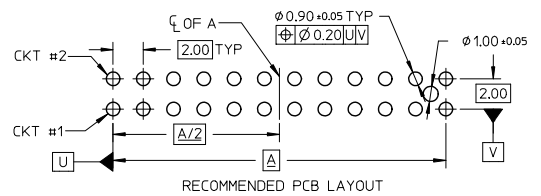
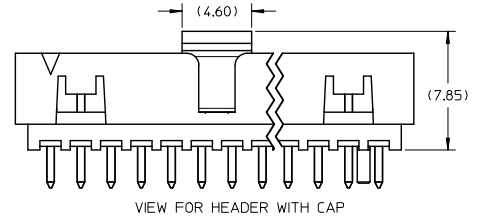
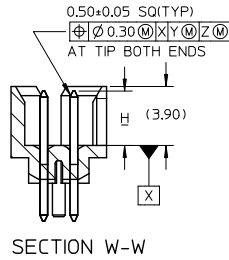
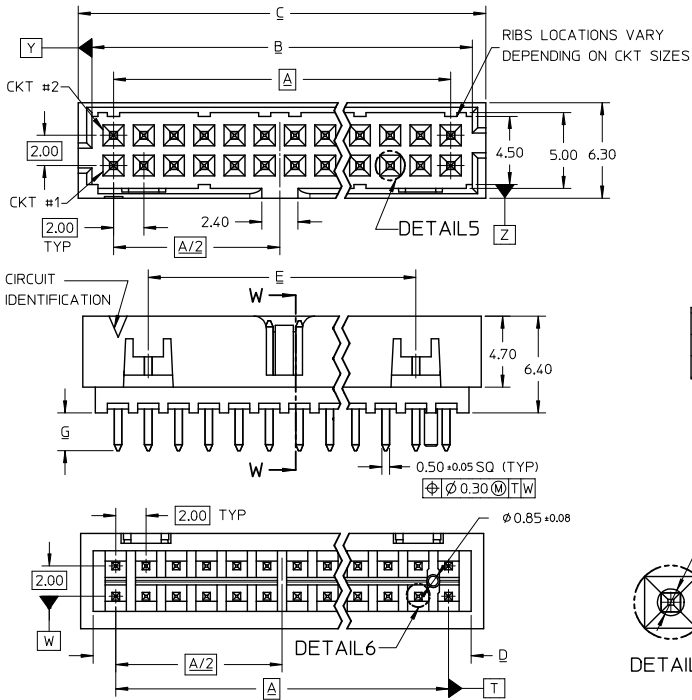


lb_frame_A3_P_AM_T
Rev. G 2012/01/11



fb_frame_A3_P_AM_T
Rev. G 2012/01/11

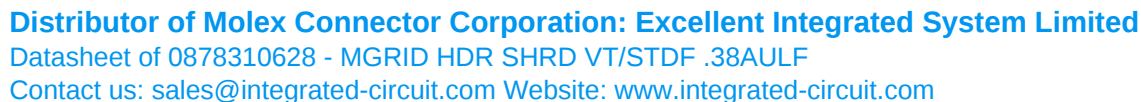
14 TO 50 CIRCUITS



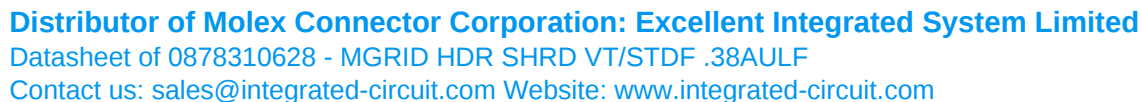
NOTES:

1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
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5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)

QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		NTS	METRIC		
EDIT NOTE 4		EC NO: S2017-0022		DRAWN BY		DATE		TITLE	
A5		2016/07/04		GMENARLY		2015/04/15		MILLIGRID	
		2016/07/27		CHECKED BY		DATE		2MM PITCH, THROUGH HOLE	
		2016/07/28		CGOH		2015/06/29		VERTICAL SHROUDED HEADER	
				APPROVED BY		DATE		molex	
				KHLIM		2015/06/29		DOCUMENT NO.	
				MATERIAL NO.		SEE TABLE		SD-87831-0001	
				SIZE		A3		SHEET NO.	
								9 OF 13	



tb_frame_A3_P_AM_T
Rev. G 2012/01/11



	10	9	8	7	6	5	4	3	2	1																								
	32 TO 40 CIRCUITS																																	
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION						F																
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H															
	32	87831-3219	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	30.00	32.85	34.65	33.00	26.00	N.A	2.50	3.60±0.20															
		87831-3220	N.A	N.A	2																													
		87831-3221	N.A	N.A	3																													
		87831-3236	N.A	N.A	4																													
		87831-3228	N.A	N.A	2																													
		87831-3229	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							2.50																
E	34	87831-3419	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	32.00	34.85	36.65	35.00	28.00	N.A	2.50	3.60±0.20															
		87831-3420	N.A	N.A	2																													
		87831-3421	N.A	N.A	3																													
		87831-3436	N.A	N.A	4																													
		87831-3428	N.A	N.A	2															YES	N.A	YES	N.A	YES	YES							2.50		
		87831-3429	N.A	N.A	3															YES	N.A	YES	N.A	YES	YES							3.50		
		87831-3435	N.A	N.A	3																													
D	36	87831-3619	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	34.00	36.85	38.65	37.00	30.00	N.A	2.50	3.60±0.20															
		87831-3620	N.A	N.A	2																													
		87831-3621	N.A	N.A	3																													
		87831-3636	N.A	N.A	4																													
		87831-3628	N.A	N.A	2															YES	N.A	YES	N.A	YES	YES							2.50		
		87831-3629	N.A	N.A	3																													
	38	87831-3819	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	36.00	38.85	40.65	39.00	32.00	N.A	2.50	3.60±0.20															
		87831-3820	N.A	N.A	2																													
		87831-3821	N.A	N.A	3																													
		87831-3836	N.A	N.A	4																													
		87831-3828	N.A	N.A	2															YES	N.A	YES	N.A	YES	YES							2.50		
C		87831-3829	N.A	N.A	3																													
	40	87831-4019	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	38.00	40.85	42.65	41.00	34.00	N.A	2.50	3.60±0.20															
		87831-4020	N.A	N.A	2																													
		87831-4021	N.A	N.A	3																													
		87831-4036	N.A	N.A	4																													
		87831-4028	N.A	N.A	2															YES	N.A	YES	N.A	YES	YES							2.50		
		87831-4029	N.A	N.A	3															YES	N.A	YES	N.A	YES	YES							3.50		
		87831-4010	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A																							
B																					B													
	PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																																	
A						SEE SHEET 1.2,4,6,8-10 EC NO: S2017-0022 DRAWN BY: 2016/07/04 CHECKED BY: 2016/07/27 APPROVED BY: 2016/07/28 A5	QUALITY SYMBOLS ✓=0 ✓=0 ✓=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 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 DATE GMENARLY 2015/04/15 CHECKED BY DATE CGOH 2015/06/29 APPROVED BY DATE KHL IM 2015/06/29 MATERIAL NO. SEE TABLE	SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex	DOCUMENT NO. SD-87831-0001	SHEET NO. 12 OF 13																				
	ib_frame_A3_P_AM_T Rev. G 2012/01/11	9	8	7	6	5	4	3	2	1																								

	10	9	8	7	6	5	4	3	2	1											
42 TO 50 CIRCUITS																					
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION									
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H		
42	87831-4219	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	40.00	42.85	44.65	43.00	36.00	N.A	2.50	3.60±0.20			
	87831-4220	N.A	N.A	2																	
	87831-4221	N.A	N.A	3																	
	87831-4236	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50				
	87831-4228	N.A	N.A	2																	
87831-4229	N.A	N.A	3																		
44	87831-4419	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	42.00	44.85	46.65	45.00	38.00	N.A	2.50	3.60±0.20			
	87831-4420	N.A	N.A	2																	
	87831-4421	N.A	N.A	3																	
	87831-4436	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50				
	87831-4428	N.A	N.A	2																	
	87831-4429	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50				
	87831-4435	N.A	N.A	3																	
46	87831-4619	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	44.00	46.85	48.65	47.00	40.00	N.A	2.50	3.60±0.20			
	87831-4620	N.A	N.A	2																	
	87831-4621	N.A	N.A	3																	
	87831-4636	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50				
	87831-4628	N.A	N.A	2																	
87831-4629	N.A	N.A	3																		
48	87831-4819	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	46.00	48.85	50.65	49.00	42.00	N.A	2.50	3.60±0.20			
	87831-4820	N.A	N.A	2																	
	87831-4821	N.A	N.A	3																	
	87831-4836	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50				
	87831-4828	N.A	N.A	2																	
	87831-4829	N.A	N.A	3																	
50	87831-5019	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	48.00	50.85	52.65	51.00	44.00	N.A	2.50	3.60±0.20			
	87831-5020	N.A	N.A	2																	
	87831-5021	N.A	N.A	3																	
	87831-5036	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50				
	87831-5028	N.A	N.A	2																	
	87831-5029	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50				
	87831-5035	N.A	N.A	3																	
PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.												SEE SHEET 12,4,6,8-10 EC NO: S2007-0022 DRAWN BY: G.MENARLY CHKD: SCHEONG APPR: KHLIM DATE: 2016/07/04 DATE: 2016/07/28 REV: A5 QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 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 SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION DRAWN BY DATE G.MENARLY 2015/04/15 CHECKED BY DATE CGOH 2015/06/29 APPROVED BY DATE KHLIM 2015/06/29 MATERIAL NO. DOCUMENT NO. SEE TABLE SD-87831-0001 SHEET NO. 13 OF 13 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
b_frame_A3_P_AM_T Rev. G 2012/01/11												9	8	7	6	5	4	3	2	1	