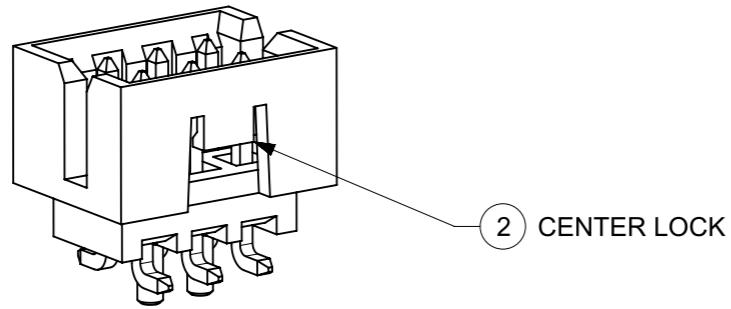
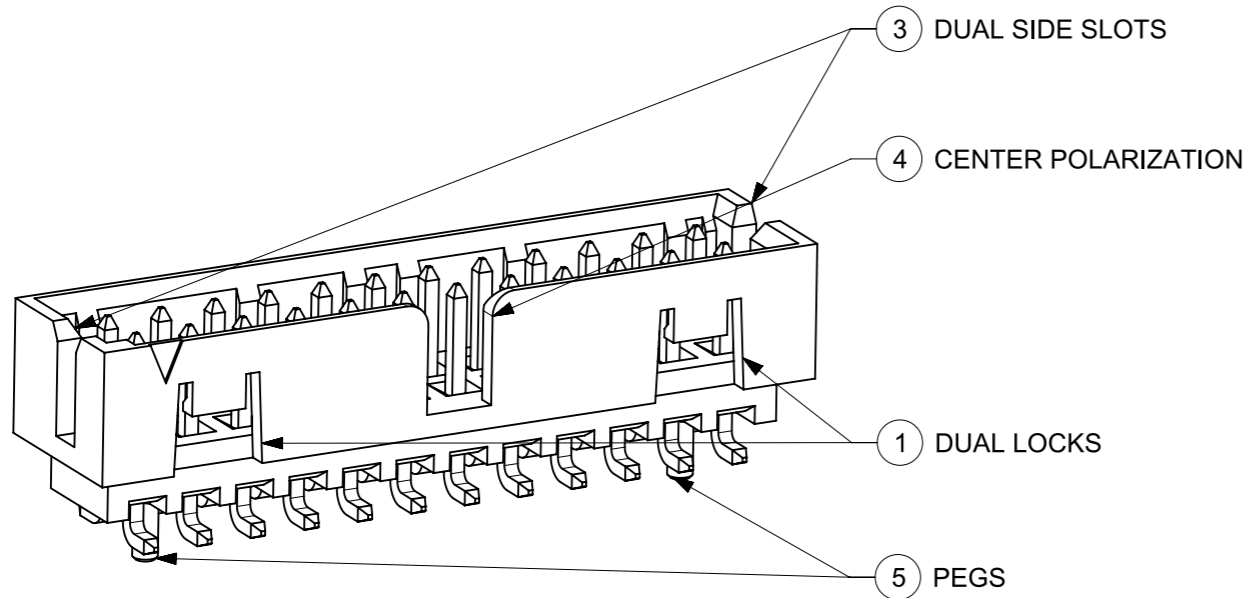


FEATURES SELECTION GUIDE



2 CENTER LOCK



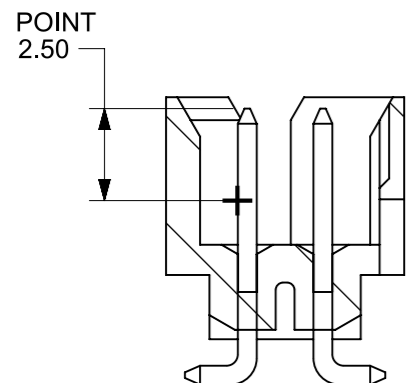
3 DUAL SIDE SLOTS

4 CENTER POLARIZATION

1 DUAL LOCKS

5 PEGS

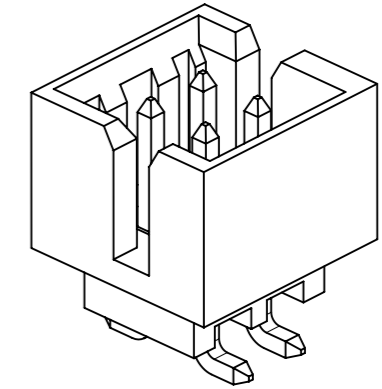
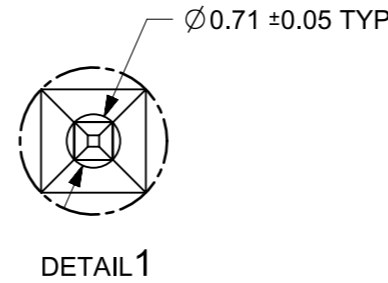
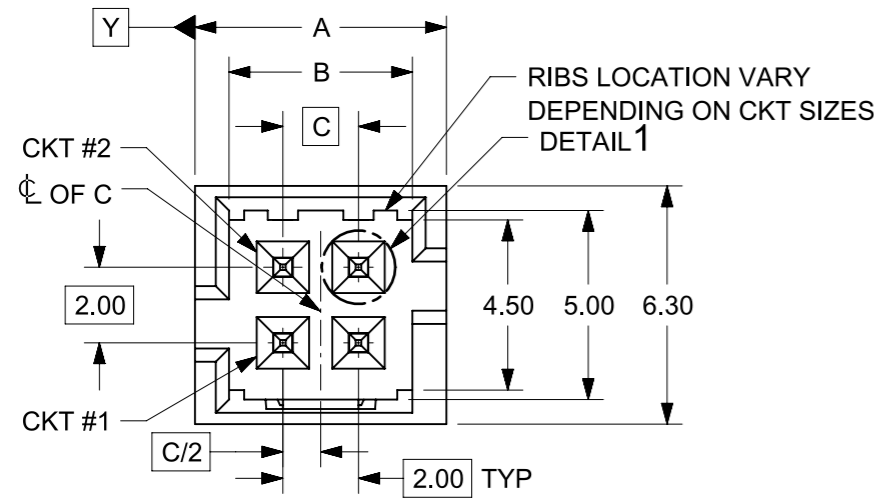
PLATING MEASUREMENT



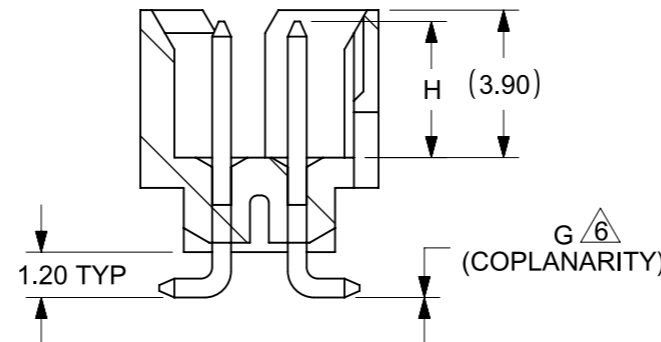
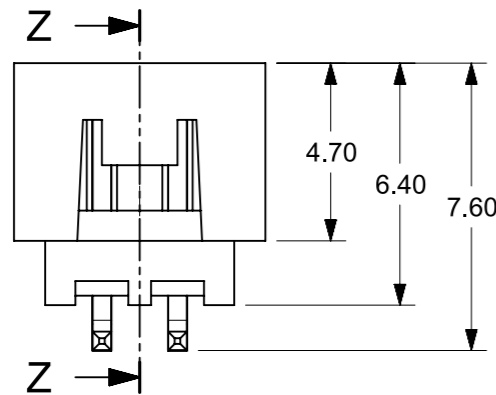
CIRCUIT SIZE	FEATURES					SHEET NO
	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	
	1 DUAL	2 CENTER				
4	N.A	N.A	YES	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	YES	
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
8 TO 12	N.A	N.A	YES	YES	YES	6 - 7
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
14 TO 50	YES	N.A	YES	YES	N.A	8 - 11
	YES	N.A	YES	YES	YES	

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: ADDING NEW PART NUMBER		
	$\nabla_A = 0$ $\nabla_F = 0$ $\nabla_P = 0$	DIMENSION UNITS: mm SCALE: NTS	GENERAL TOLERANCES (UNLESS SPECIFIED)		
DIVISIONAL SYMBOLS	4 PLACES	±	MM	±	STATUS: Production DRWN: Meghraj Boodagatti 2026-06-04 CHK'D: Meghraj Boodagatti 2026-06-10 APPR: Saravanakumar Murugesan 2026-06-10
	3 PLACES	±	INCH	±	
	2 PLACES	±	0.200	±	
	1 PLACE	±		±	
	0 PLACES	±		±	INITIAL REVISION: DRWN: GMENARLY 2015-05-22 APPR: KHLIM 2015-09-22
	ANGULAR TOL	±	3°		DOCUMENT NUMBER: SD-87832-0001 DOC TYPE: PSD DOC PART: 001 REVISION: A25
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE SERIES: 87832	MATERIAL NUMBER: GENERAL MARKET CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 13

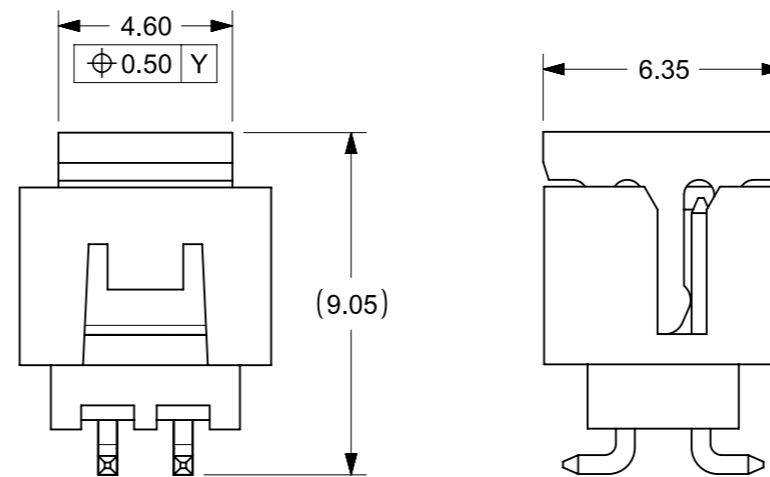
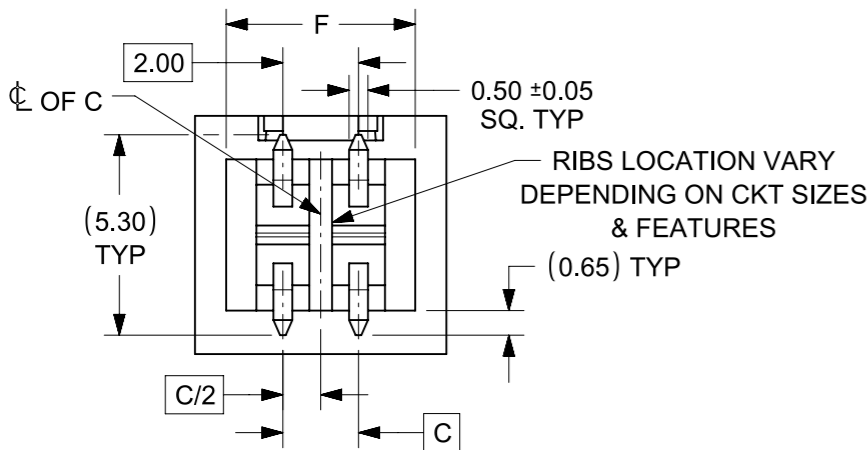
4 CIRCUITS



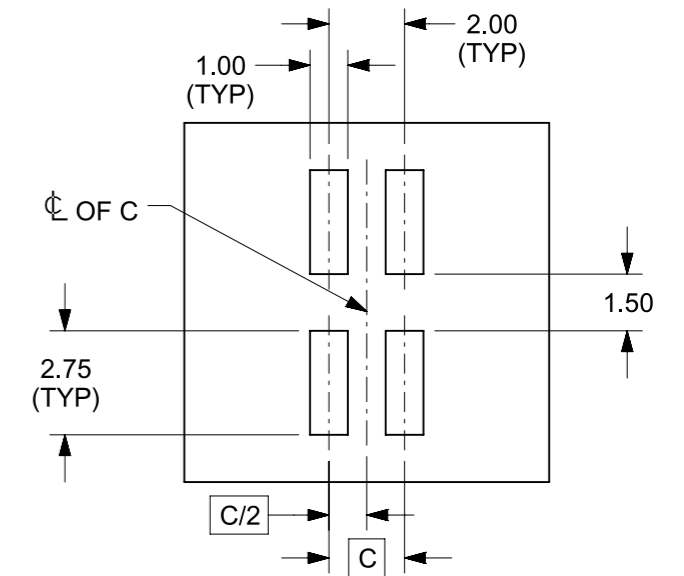
ISO VIEW OF HEADER WITH ONLY DUAL SLOTS



SECTION Z-Z



VIEW FOR HEADER WITH CAP



RECOMMENDED PCB LAYOUT

NOTES:

1. MATERIALS:
HOUSING & CAP: 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 12
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)

COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE

7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY

8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

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: ADDING NEW PART NUMBER		molex
	4 PLACES ±	3 PLACES ±	2 PLACES ±	1 PLACE ±	
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		STATUS: Production		PRODUCT CUSTOMER DRAWING
	MM	INCH	DRWN: Meghraj Boodagatti	2026-06-04	
	± 0.200	±	CHK'D: Meghraj Boodagatti	2026-06-10	DOC TYPE
	±	±	APPR: Saravanakumar Murugesan	2026-06-10	DOC PART
	±	±	INITIAL REVISION:		REVISION
	±	±	DRWN: GMENARLY	2015-05-22	SD-87832-0001
	±	±	APPR: KHLIM	2015-09-22	PSD 001 A25
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SHEET NUMBER
				A3-SIZE	87832
			SERIES	MATERIAL NUMBER	CUSTOMER
			87832		GENERAL MARKET
					2 OF 13

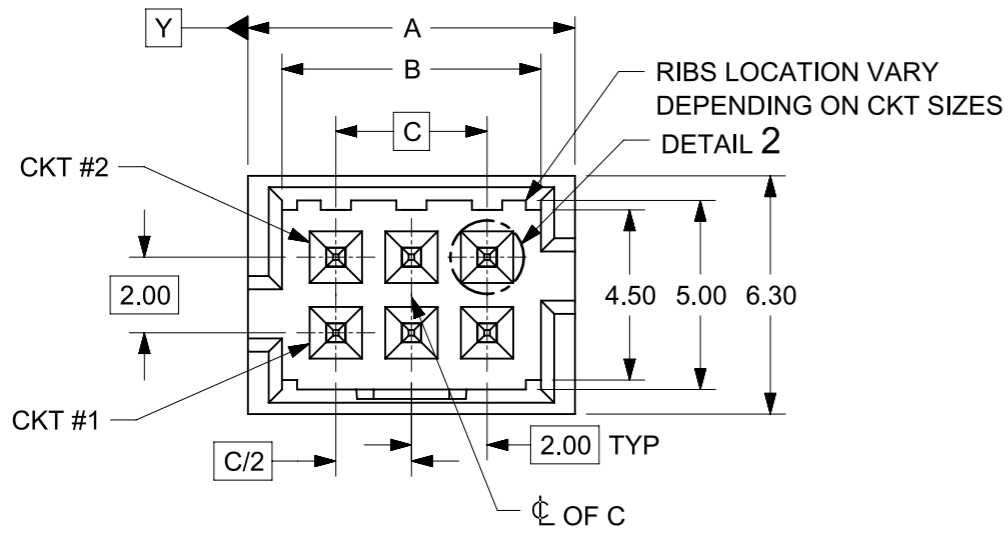
4 CIRCUITS

CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION							
						DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H
4	87832-0460	87832-0462	87832-5162	1	1	N.A	N.A	YES	N.A	N.A	6.65	4.85	2.00	N.A	N.A	5.00	0.10	3.60±0.20
	87832-0420	87832-0422	87832-5122	1	2													
	87832-0421	87832-0423	87832-5123	1	3													
	87832-0470	87832-0472	87832-5172	1	4	N.A	YES	YES	N.A	N.A							0.10	
	87832-0410	87832-0408	87832-0406	1	2													
			87832-5106	2	2													
		87832-0411	87832-0409	87832-0407	1	3	N.A	YES	YES	N.A							N.A	
	87832-0404	N.A	N.A	N.A	2													

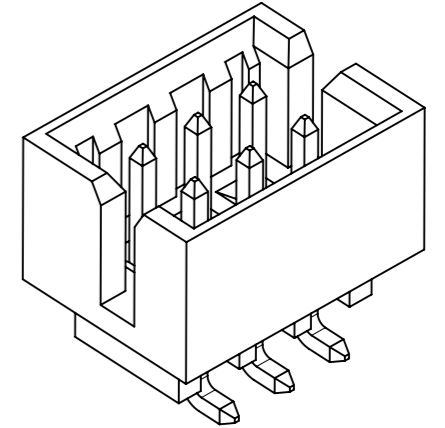
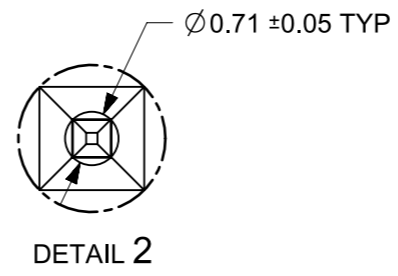
PLATING OPTIONS:

- 1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

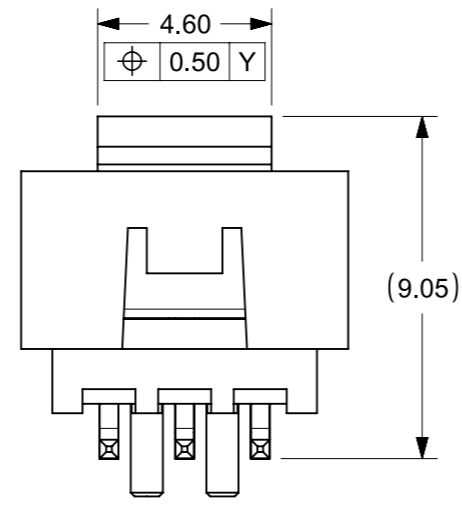
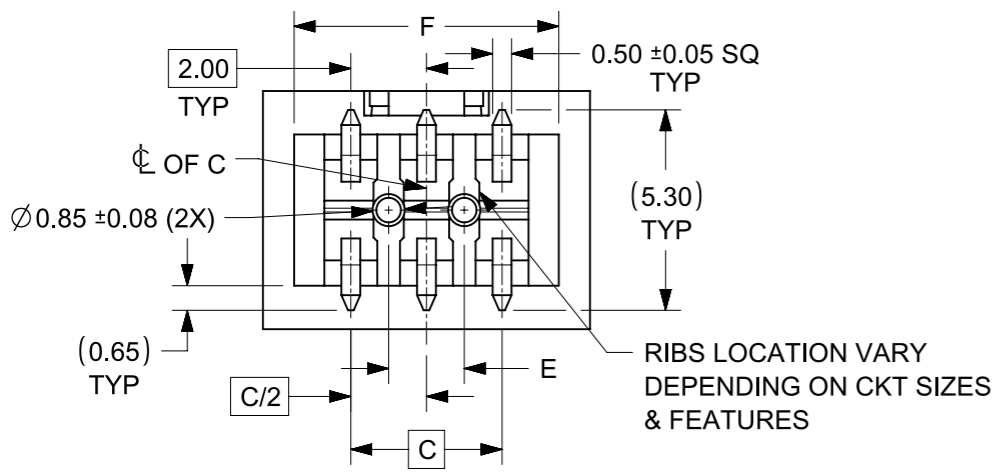
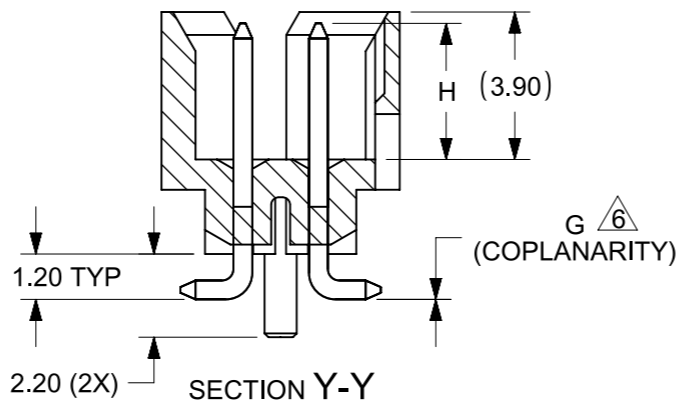
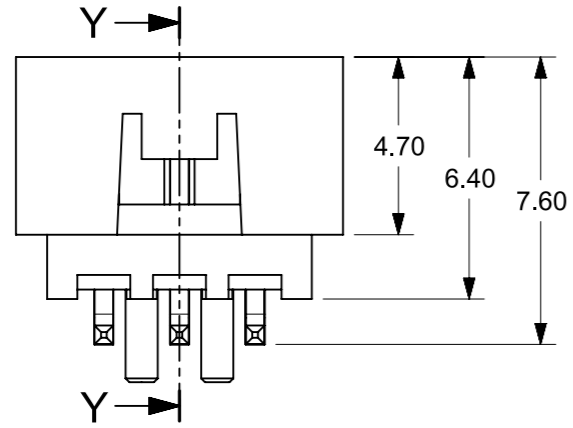
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
FA = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDING NEW PART NUMBER							molex			
FB = 0	mm	NTS	GENERAL TOLERANCES (UNLESS SPECIFIED)							MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER			
FC = 0			MM		INCH		STATUS: Production			PRODUCT CUSTOMER DRAWING			
			4 PLACES ±	±	±	±	DRWN: Meghraj Boodagatti 2026-06-04						
			3 PLACES ±	±	±	±	CHK'D: Meghraj Boodagatti 2026-06-10			DOCUMENT NUMBER			
			2 PLACES ±	0.200	±	±	APPR: Saravanakumar Murugesan 2026-06-10			DOC TYPE DOC PART REVISION			
DIVISIONAL SYMBOLS			1 PLACE ±	±	±	±	INITIAL REVISION:			SD-87832-0001			
			0 PLACES ±	±	±	±	DRWN: GMENARLY 2015-05-22			PSD 001 A25			
			ANGULAR TOL ± 3°				APPR: KHLIM 2015-09-22			MATERIAL NUMBER			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		CUSTOMER		SHEET NUMBER
							A3-SIZE		87832		GENERAL MARKET		3 OF 13



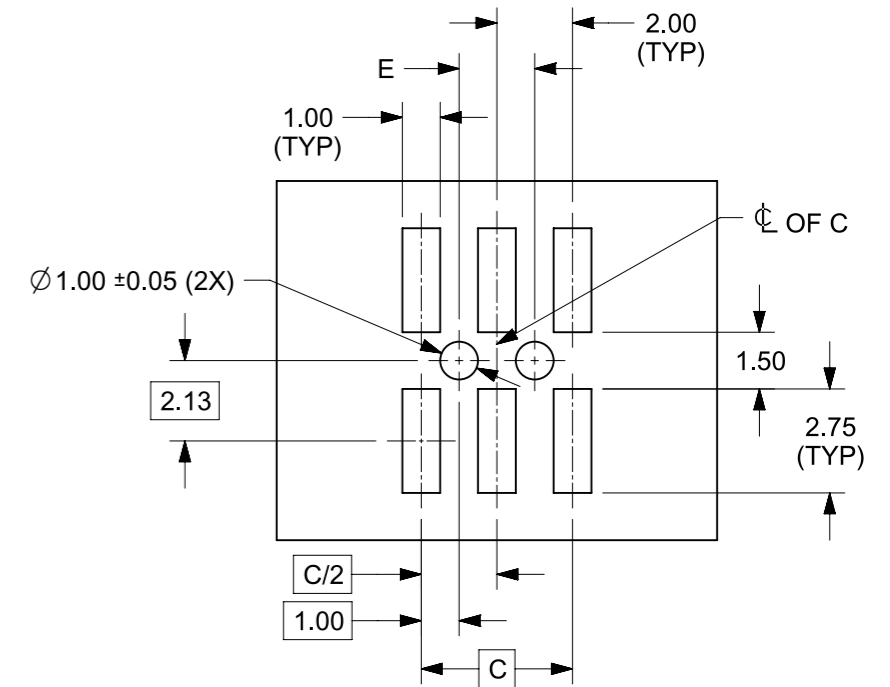
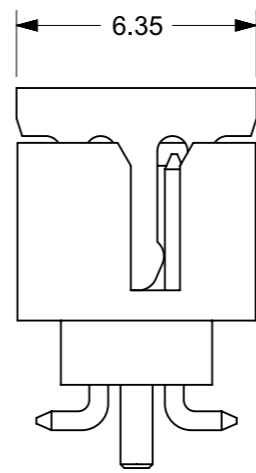
6 CIRCUITS



VIEW FOR HEADER WITH ONLY DUAL SLOTS



VIEW FOR HEADER WITH CAP



RECOMMENDED PCB LAYOUT

- NOTES:**
- MATERIALS:**
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE
 - FINISHES:** REFER TO PLATING OPTIONS
 - PRODUCT SPECIFICATION:** PS-87831-027
 - PACKAGING SPECIFICATION:** SEE PACKAGING SPECS TABLE ON SHEET 12
 - 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)
- 6** COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
- BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
 - TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

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: ADDING NEW PART NUMBER		molex			
	FA = 0	mm	SCALE	NTS				
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		STATUS: Production		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER			
	FB = 0	MM	INCH	DRWN: Meghraj Boodagatti 2026-06-04				
DIVISIONAL SYMBOLS	FC = 0	4 PLACES	±	CHK'D: Meghraj Boodagatti 2026-06-10	PRODUCT CUSTOMER DRAWING			
		3 PLACES	±	APPR: Saravanakumar Murugesan 2026-06-10				
		2 PLACES	± 0.200	INITIAL REVISION:	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
		1 PLACE	±	DRWN: GMENARLY 2015-05-22	SD-87832-0001	PSD	001	A25
	0 PLACES	±	ANGULAR TOL ± 3°	APPR: KHLIM 2015-09-22	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES		
					A3-SIZE	87832	GENERAL MARKET	4 OF 13

6 CIRCUITS

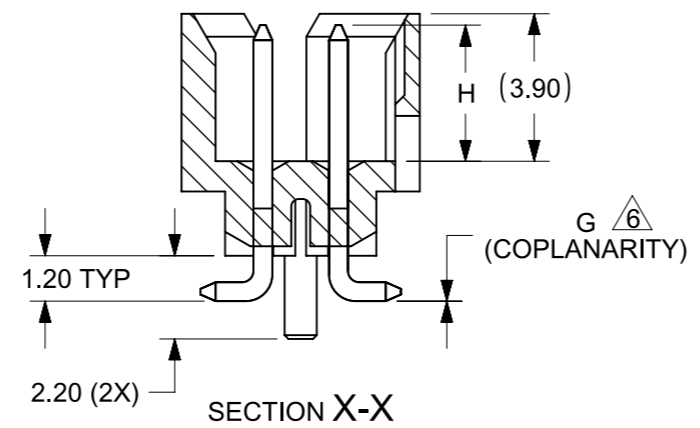
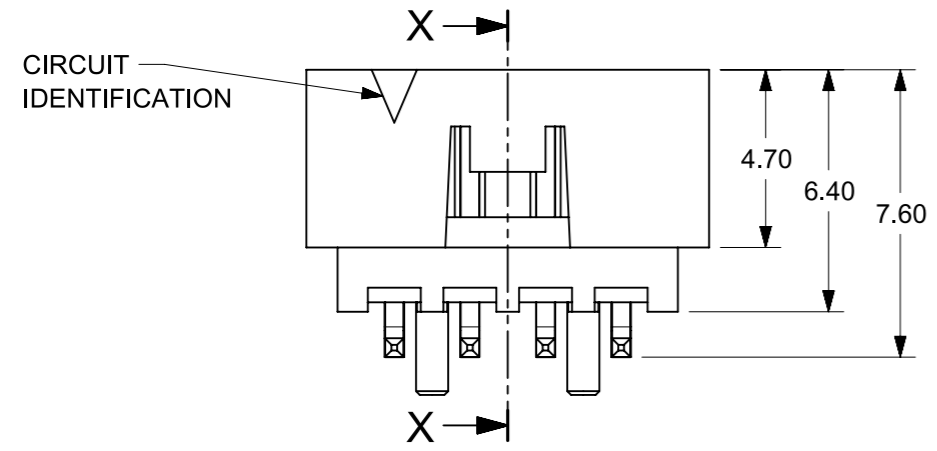
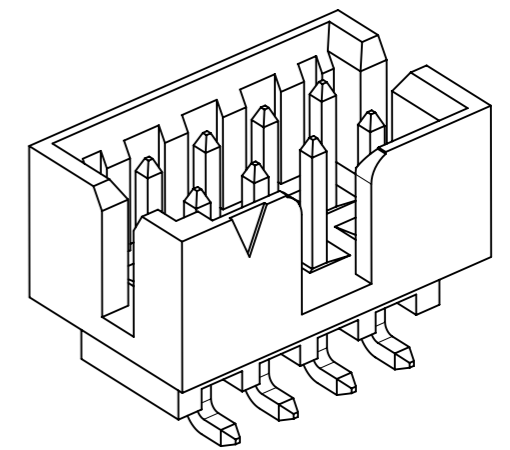
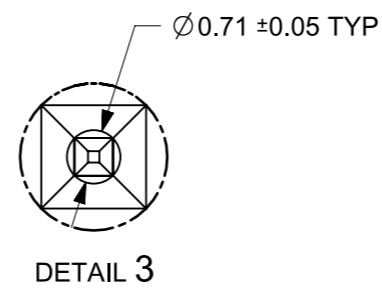
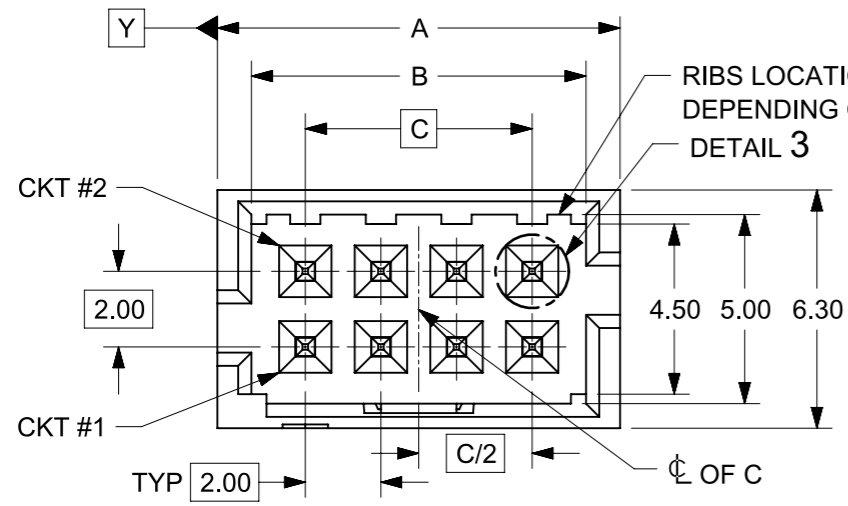
CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION							
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H
6	87832-0660	87832-0662	87832-5262		1	1	N.A	N.A	YES	N.A	YES	8.65	6.85	4.00	N.A	2.00	7.00	0.10	3.60±0.20
	87832-0620	87832-0622	87832-5222	87832-5230	1	2													
	87832-0621	87832-0623	87832-5223		1	3													
	87832-0670	87832-0672	87832-5272		1	4	N.A	N.A	YES	N.A	N.A							0.10	3.60±0.20
	87832-0612	87832-0616	87832-0614		1	2													
	87832-0613	87832-0617	87832-0615		1	3	N.A	YES	YES	N.A	N.A							0.10	3.60±0.15
	87832-0624	87832-0626	87832-0628		1	2													
	87832-0625	87832-0627	87832-0629		1	3	N.A	YES	YES	N.A	YES							0.10	3.60±0.20
	87832-0610	87832-0608	87832-0606		1	2													
	87832-0611	87832-0609	87832-0607		1	3	N.A	YES	YES	N.A	YES							0.10	3.60±0.20
87832-0604	N.A	N.A		N.A	2														

PLATING OPTIONS:

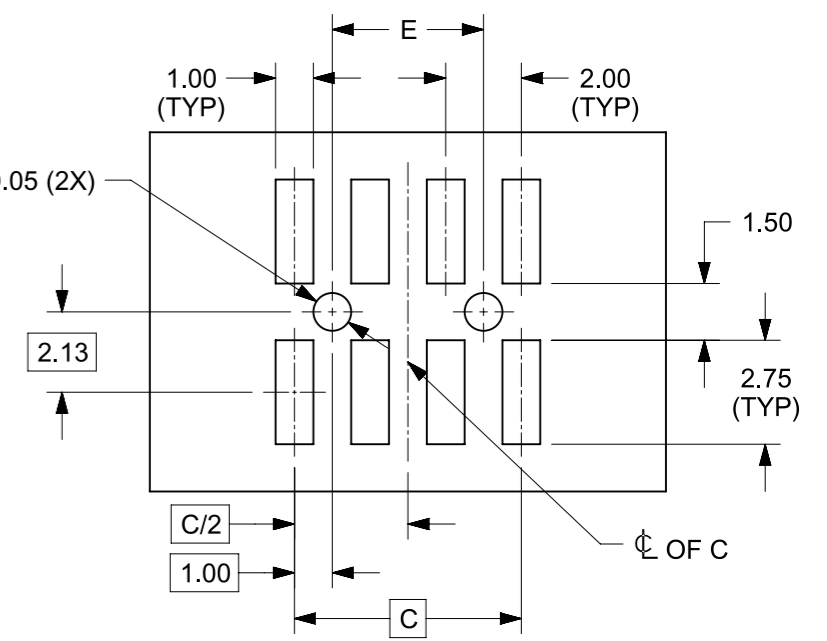
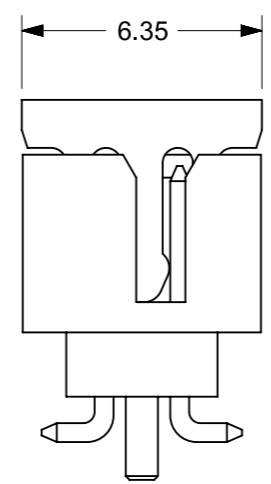
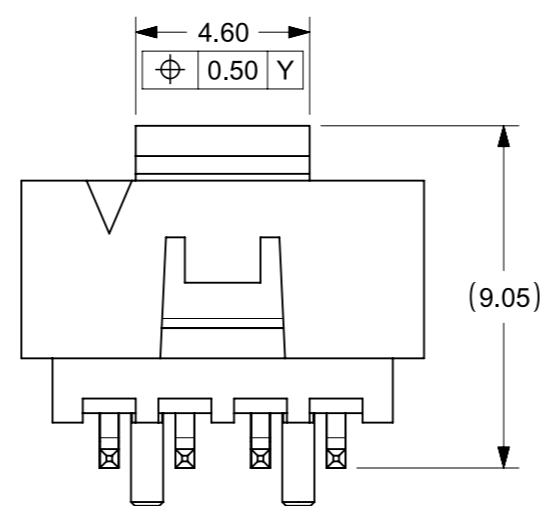
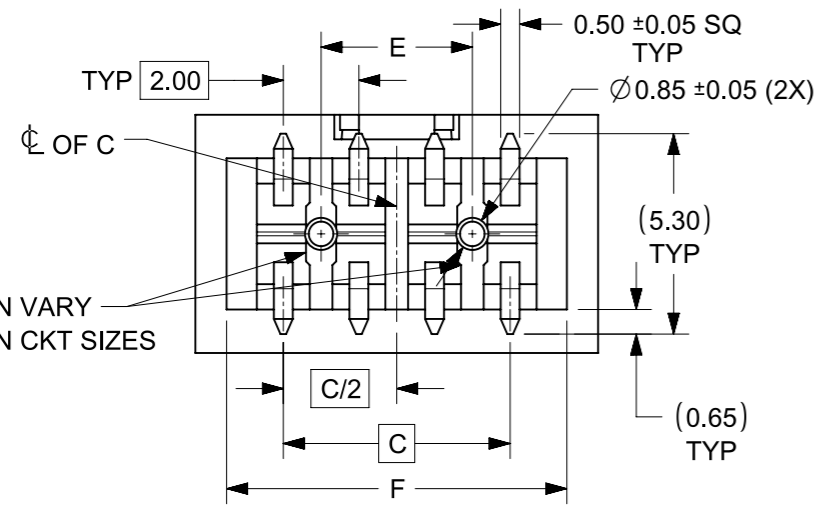
- 1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
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- 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_F = 0$ $\nabla_P = 0$	DIMENSION UNITS mm	SCALE NTS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION CURRENT REV DESC: ADDING NEW PART NUMBER			molex			
GENERAL TOLERANCES (UNLESS SPECIFIED)			STATUS: Production DRWN: Meghraj Boodagatti 2026-06-04 CHK'D: Meghraj Boodagatti 2026-06-10 APPR: Saravanakumar Murugesan 2026-06-10			MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER			
DIVISIONAL SYMBOLS									PRODUCT CUSTOMER DRAWING
4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± 0.200 ± 1 PLACE ± ± 0 PLACES ± ±			INITIAL REVISION: DRWN: GMENARLY 2015-05-22 APPR: KHLIM 2015-09-22			DOCUMENT NUMBER SD-87832-0001	DOC TYPE PSD	DOC PART 001	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION 	DRAWING A3-SIZE	SERIES 87832	MATERIAL NUMBER GENERAL MARKET	CUSTOMER GENERAL MARKET	SHEET NUMBER 5 OF 13	

8 TO 12 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



- NOTES:
- MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE
 - FINISHES: REFER TO PLATING OPTIONS
 - PRODUCT SPECIFICATION: PS-87831-027
 - PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
 - 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)
- 6 COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
- BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
 - TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE


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: ADDING NEW PART NUMBER			
	$\text{FA} = 0$ $\text{FE} = 0$ $\text{FP} = 0$	DIMENSION UNITS: mm SCALE: NTS	GENERAL TOLERANCES (UNLESS SPECIFIED)			
DIVISIONAL SYMBOLS	4 PLACES	±	MM	INCH	STATUS: Production DRWN: Meghraj Boodagatti 2026-06-04 CHK'D: Meghraj Boodagatti 2026-06-10 APPR: Saravanakumar Murugesan 2026-06-10	
	3 PLACES	±			INITIAL REVISION: DRWN: GMENARLY 2015-05-22 APPR: KHLIM 2015-09-22	
	2 PLACES	± 0.200			DOCUMENT NUMBER: SD-87832-0001 DOC TYPE: PSD DOC PART: 001 REVISION: A25	
	1 PLACE	±			MATERIAL NUMBER: 87832 CUSTOMER: GENERAL MARKET SHEET NUMBER: 6 OF 13	
	0 PLACES	±				
	ANGULAR TOL	± 3'				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 87832	

8 TO 12 CIRCUITS

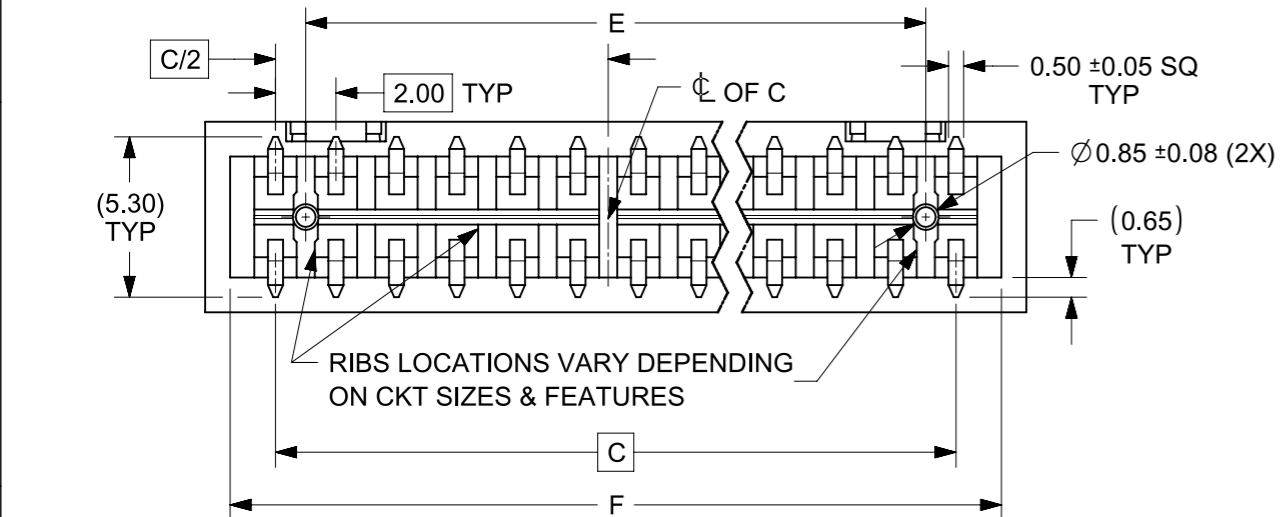
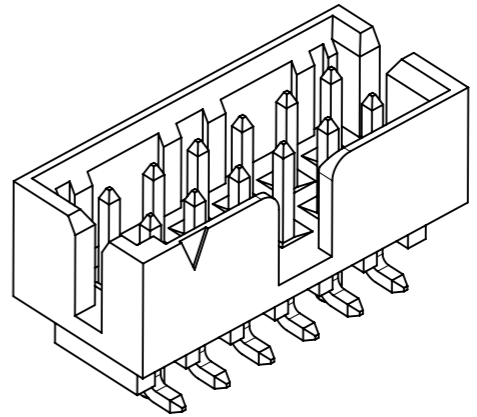
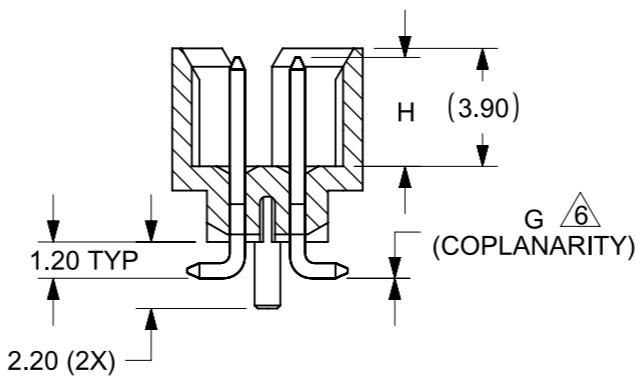
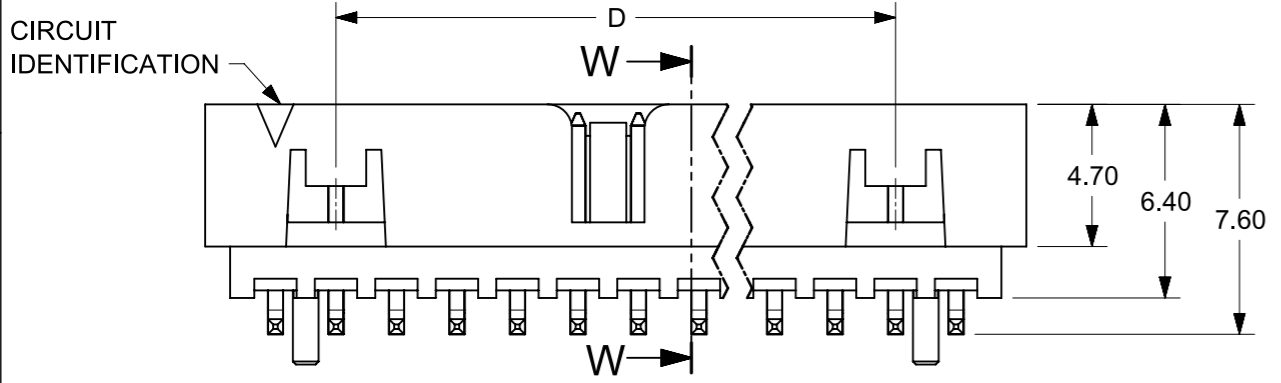
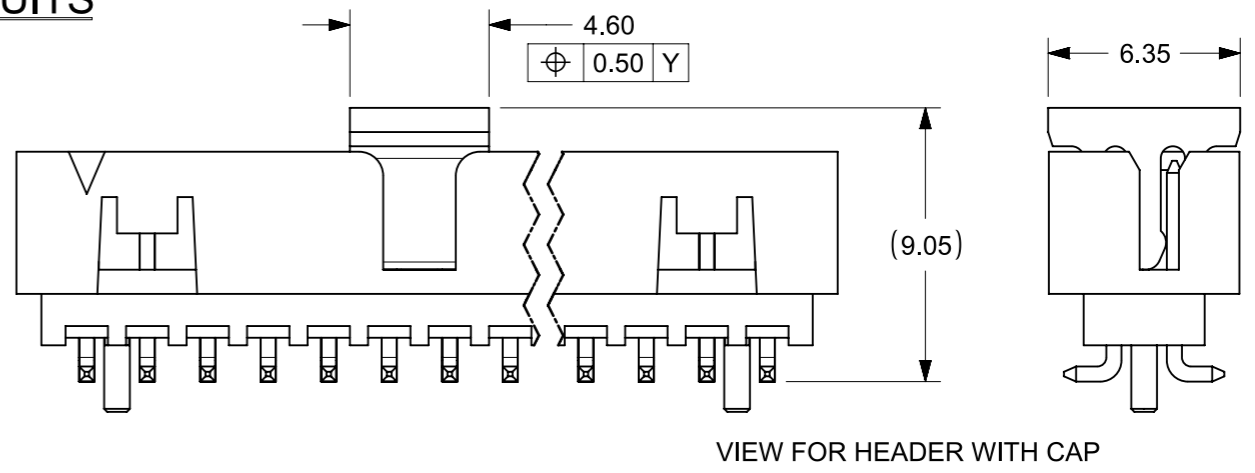
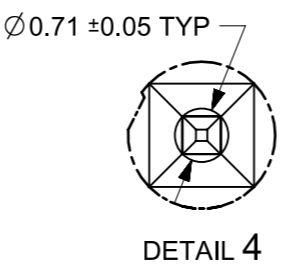
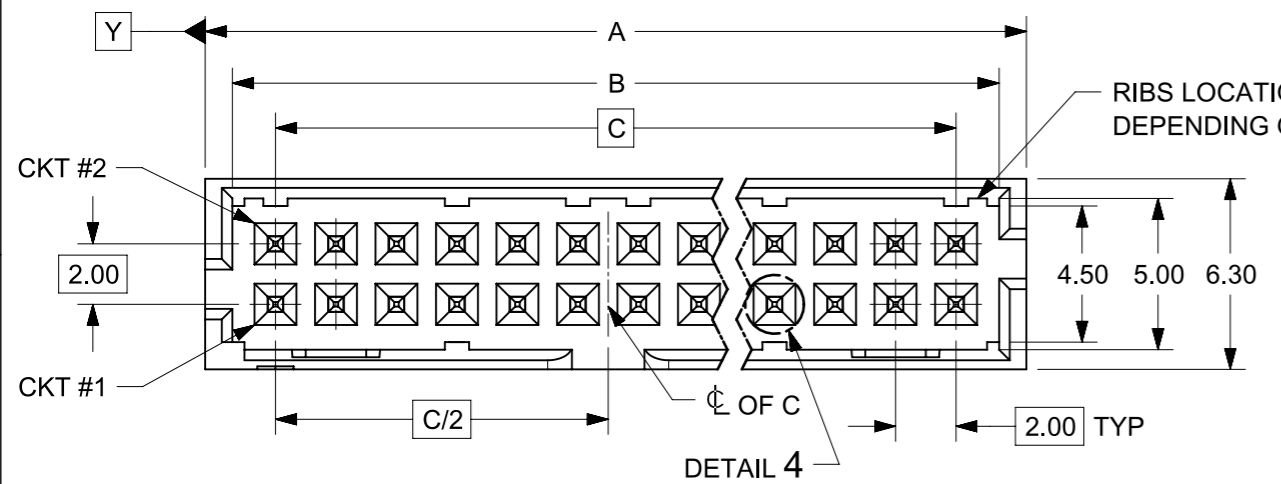
CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION												
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H					
8	87832-0860	87832-0862	87832-5362		1	1	N.A	N.A	YES	YES	YES	10.65	8.85	6.00	N.A	4.00	9.00	0.10	3.60±0.20					
	87832-0820	87832-0822	87832-5322	87832-5330	1	2																		
	87832-0821	87832-0823	87832-5323		1	3																		
	87832-0870	87832-0872	87832-5372		1	4	N.A	N.A	YES	YES	N.A							0.10	3.60±0.20					
	87832-0812	87832-0816	87832-0814		1	2																		
	87832-0824	87832-0826	87832-0828		1	2																		
	87832-0825	87832-0827	87832-0829		1	3	N.A	YES	YES	N.A	YES							0.10	3.60±0.15					
	87832-0810	87832-0808	87832-0806		1	2																		
	87832-0811	87832-0809	87832-0807		1	3																		
87832-0804	N.A	N.A		N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20												
87832-1060	87832-1062	87832-5462		1	1																			
87832-1020	87832-1022	87832-5422	87832-5430	1	2																			
10	87832-1021	87832-1023	87832-5423		1	3	N.A	N.A	YES	YES	YES	12.65	10.85	8.00	N.A	6.00	11.00	0.10	3.60±0.20					
			87832-9423		2																			
	87832-1070	87832-1072	87832-5472		1	4												N.A	N.A	YES	YES	N.A	0.10	3.60±0.20
	87832-1012	87832-1016	87832-1014		1	2																		
	87832-1019	87832-1045	87832-1035		1	1																		
	87832-1024	87832-1026	87832-1028		1	2												N.A	YES	YES	N.A	N.A	0.10	3.60±0.15
	N.A	N.A	87832-1055		1	1																		
	87832-1025	87832-1027	87832-1029		1	3																		
	87832-1010	87832-1008	87832-1006		1	2												N.A	YES	YES	N.A	YES	0.10	3.60±0.20
	87832-1011	87832-1009	87832-1007		1	3																		
	87832-1004	N.A	N.A		N.A	2																		
	12	87832-1260	87832-1262	87832-5562		1												1	N.A	N.A	YES	YES	YES	14.65
87832-1220		87832-1222	87832-5522		1	2																		
87832-1221		87832-1223	87832-5523		1	3																		
			87832-9623		2																			
87832-1270		87832-1272	87832-5572		1	4	N.A	YES	YES	N.A	N.A	0.10	3.60±0.15											
87832-1224		87832-1226	87832-1228		1	2																		
87832-1225		87832-1227	87832-1229		1	3																		
87832-1210		87832-1208	87832-1206		1	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20											
87832-1211		87832-1209	87832-1207		1	3																		
87832-1204		N.A	N.A		N.A	2																		
87832-1212	N.A	N.A		N.A	2	N.A	N.A	YES	YES	N.A	0.10	3.60±0.20												

PLATING OPTIONS:

- 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

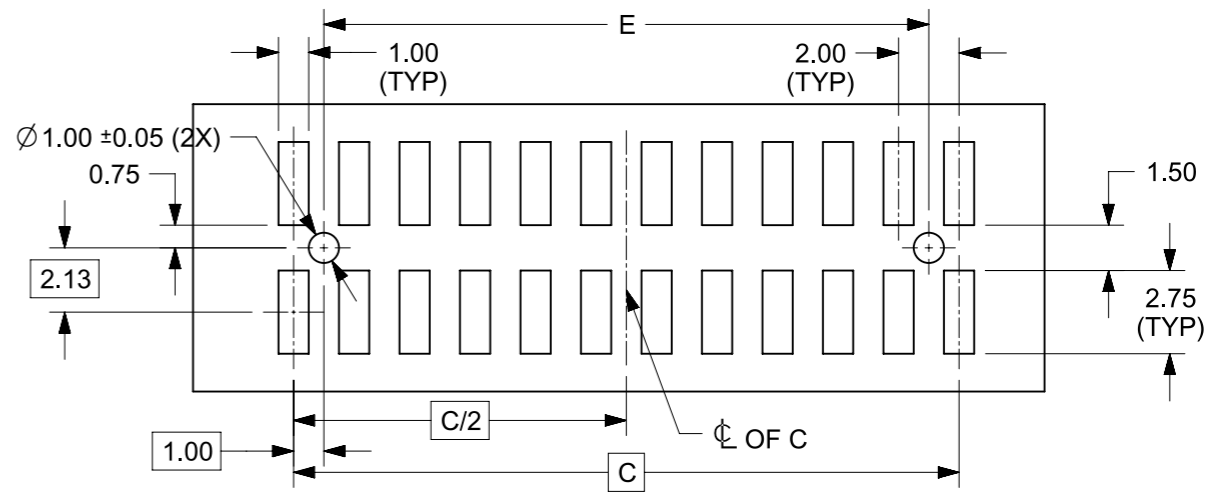
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDING NEW PART NUMBER			
DIMENSION UNITS		SCALE		STATUS: Production			
FA = 0		mm NTS		DRWN: Meghraj Boodagatti 2026-06-04		MILLIGRID	
FB = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: Meghraj Boodagatti 2026-06-10		2MM PITCH, SMT VERTICAL SHROUDED HEADER	
FC = 0		MM INCH		APPR: Saravanakumar Murugesan 2026-06-10		PRODUCT CUSTOMER DRAWING	
DIVISIONAL SYMBOLS		4 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER	
		3 PLACES ±		DRWN: GMENARLY 2015-05-22		SD-87832-0001	
		2 PLACES ± 0.200		APPR: KHLIM 2015-09-22		DOC TYPE DOC PART REVISION	
		1 PLACE ±		THIRD ANGLE PROJECTION		PSD 001 A25	
		0 PLACES ±		DRAWING		SERIES	
		ANGULAR TOL ± 3'		A3-SIZE		87832	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NUMBER		CUSTOMER	
				GENERAL MARKET		SHEET NUMBER	
						7 OF 13	

14 TO 50 CIRCUITS



SECTION W-W

ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



RECOMMENDED PCB LAYOUT

- NOTES:**
- MATERIALS:**
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE
 - FINISHES:** REFER TO PLATING OPTIONS
 - PRODUCT SPECIFICATION:** PS-87831-027
 - PACKAGING SPECIFICATION:** SEE PACKAGING SPECS TABLE ON SHEET 12
 - 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)
 - COPLANARITY** IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
 - BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
 - TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE


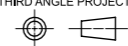
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDING NEW PART NUMBER		molex			
	FA = 0	mm	SCALE	NTS				
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		STATUS: Production		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER			
	FE = 0		DRWN: Meghraj Boodagatti	2026-06-04				
DIVISIONAL SYMBOLS	FP = 0		CHK'D: Meghraj Boodagatti	2026-06-10	PRODUCT CUSTOMER DRAWING			
			APPR: Saravanakumar Murugesan	2026-06-10				
			INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
			DRWN: GMENARLY	2015-05-22	SD-87832-0001	PSD	001	A25
		ANGULAR TOL ± 3°	APPR: KHLIM	2015-09-22	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	GENERAL MARKET	8 OF 13	
				A3-SIZE	87832			

14 TO 24 CIRCUITS

CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION							So (T&R)														
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)		H													
14	87832-1460	87832-1462	87832-5662		1	1	YES	N.A	YES	YES	YES	16.65	14.85	12.00	8.00	10.00	15.00	0.15	3.60±0.20														
	87832-1420	87832-1422	87832-5622	87832-5630	1	2																											
	87832-1421	87832-1423	87832-5623		1	3																											
			87832-9523		2																												
	87832-1470	87832-1472	87832-5672		1	4																											
87832-1412	87832-1416	87832-1414		1	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20															
16	87832-1660	87832-1662	87832-5762		1	1	YES	N.A	YES	YES	YES	18.65	16.85	14.00	10.00	12.00	17.00	0.15	3.60±0.20														
	87832-1620	87832-1622	87832-5722		1	2																											
	87832-1621	87832-1623	87832-5723		1	3																											
	87832-1670	87832-1672	87832-5772	87832-5730	1	4																											
	87832-1612	87832-1616	87832-1614		1	2														YES	N.A	YES	YES	N.A							0.15	3.60±0.20	28.40
	87832-1619	87832-1645	87832-1635		1	1																											
18	87832-1860	87832-1862	87832-5862		1	1	YES	N.A	YES	YES	YES	20.65	18.85	16.00	12.00	14.00	19.00	0.15	3.60±0.20														
	87832-1820	87832-1822	87832-5822	87832-5830	1	2																											
	87832-1821	87832-1823	87832-5823		1	3																											
	87832-1870	87832-1872	87832-5872		1	4																											
	87832-1812	87832-1816	87832-1814		3	2														YES	N.A	YES	YES	N.A							0.15	3.60±0.20	
	87832-1813	87832-1817	87832-1815		3	3														YES	N.A	YES	YES	N.A							0.15	3.60±0.20	
20	87832-2060	87832-2062	87832-5962		1	1	YES	N.A	YES	YES	YES	22.65	20.85	18.00	14.00	16.00	21.00	0.15	3.60±0.20														
	87832-2020	87832-2022	87832-5922	87832-5930	1	2																											
	87832-2021	87832-2023	87832-5923		1	3																											
			87832-5972		1	4																											
	87832-2070	87832-2072	87832-9672		2																												
87832-2012	87832-2016	87832-2014		1	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20	40.40														
22	87832-2260	87832-2262	87832-6062		1	1	YES	N.A	YES	YES	YES	24.65	22.85	20.00	16.00	18.00	23.00	0.15	3.60±0.20														
	87832-2220	87832-2222	87832-6022	87832-6030	1	2																											
	87832-2221	87832-2223	87832-6023	87832-6031	1	3																											
	87832-2270	87832-2272	87832-6072		1	4																											
24	87832-2460	87832-2462	87832-6162		1	1	YES	N.A	YES	YES	YES	26.65	24.85	22.00	18.00	20.00	25.00	0.15	3.60±0.20														
	87832-2420	87832-2422	87832-6122	87832-6130	1	2																											
	87832-2421	87832-2423	87832-6123		1	3																											
	87832-2470	87832-2472	87832-6172		1	4																											
	87832-2412	87832-2416	87832-2414		1	2														YES	N.A	YES	YES	N.A						0.15	3.60±0.20		

PLATING OPTIONS:

- 1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.


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: ADDING NEW PART NUMBER			
DIMENSION UNITS		SCALE		STATUS: Production			
mm		NTS		DRWN: Meghraj Boodagatti 2026-06-04		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER	
GENERAL TOLERANCES (UNLESS SPECIFIED)				CHK'D: Meghraj Boodagatti 2026-06-10			
4 PLACES ±		MM INCH		APPR: Saravanakumar Murugesan 2026-06-10		PRODUCT CUSTOMER DRAWING	
3 PLACES ±				INITIAL REVISION:			
2 PLACES ± 0.200				DRWN: GMENARLY 2015-05-22		DOCUMENT NUMBER	
1 PLACE ±				APPR: KHLIM 2015-09-22		SD-87832-0001	
0 PLACES ±				ANGULAR TOL ± 3°		DOC TYPE DOC PART REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SHEET NUMBER	
				A3-SIZE		9 OF 13	
				SERIES		CUSTOMER	
				87832		GENERAL MARKET	

26 TO 38 CIRCUITS

CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION																		
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H											
26	87832-2660	87832-2662	87832-6262		1	1	YES	N.A	YES	YES	YES	28.65	26.85	24.00	20.00	22.00	27.00	0.15	3.60±0.20											
	87832-2620	87832-2622	87832-6222		1	2																								
	87832-2621	87832-2623	87832-6223		1	3																								
	87832-2670	87832-2672	87832-6272		1	4												YES	N.A	YES	YES	N.A							0.15	3.60±0.20
	87832-2612	87832-2616	N.A		N.A	2																								
	87832-2619	87832-2645	87832-2635		1	1																								
28	87832-2860	87832-2862	87832-6362		1	1	YES	N.A	YES	YES	YES	30.65	28.85	26.00	22.00	24.00	29.00	0.15	3.60±0.20											
	87832-2820	87832-2822	87832-6322		1	2																								
	87832-2821	87832-2823	87832-6323		1	3																								
	87832-2870	87832-2872	87832-6372		1	4												YES	N.A	YES	YES	N.A							0.15	3.60±0.20
	N.A	87832-2816	N.A		1	2																								
	N.A	87832-2819	N.A		1	1																								
30	87832-3060	87832-3062	87832-6462		1	1	YES	N.A	YES	YES	YES	32.65	30.85	28.00	24.00	26.00	31.00	0.15	3.60±0.20											
	87832-3020	87832-3022	87832-6422		1	2																								
	87832-3021	87832-3023	87832-6423		1	3																								
	87832-3070	87832-3072	87832-6472		1	4												YES	N.A	YES	YES	N.A							0.15	3.60±0.20
	87832-3012	87832-3016	87832-3014		3	2																								
32	87832-3260	87832-3262	87832-6562		1	1	YES	N.A	YES	YES	YES	34.65	32.85	30.00	26.00	28.00	33.00	0.15	3.60±0.20											
	87832-3220	87832-3222	87832-6522		1	2																								
	87832-3221	87832-3223	87832-6523		1	3																								
	87832-3270	87832-3272	87832-6572		1	4																								
34	87832-3460	87832-3462	87832-6662	87832-6630	1	1	YES	N.A	YES	YES	YES	36.65	34.85	32.00	28.00	30.00	35.00	0.15	3.60±0.20											
	87832-3420	87832-3422	87832-6622		1	2																								
	87832-3421	87832-3423	87832-6623		1	3																								
	87832-3470	87832-3472	87832-6672		1	4												YES	N.A	YES	YES	N.A							0.15	3.60±0.20
	87832-3412	87832-3416	87832-3414		3	2																								
	87832-3419	87832-3445	87832-3435		3	1																								
36	87832-3660	87832-3662	N.A		N.A	1	YES	N.A	YES	YES	YES	38.65	36.85	34.00	30.00	32.00	37.00	0.15	3.60±0.20											
	87832-3620	87832-3622	N.A		N.A	2																								
	87832-3621	87832-3623	87832-3673		N.A	3																								
	87832-3670	87832-3672	N.A		N.A	4																								
38	87832-3860	87832-3862	N.A		N.A	1	YES	N.A	YES	YES	YES	40.65	38.85	36.00	32.00	34.00	39.00	0.15	3.60±0.20											
	87832-3820	87832-3822	87832-6822		N.A	2																								
	87832-3821	87832-3823	87832-3874		N.A	3																								
	87832-3870	87832-3872	N.A		N.A	4																								

PLATING OPTIONS:

- 1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE		CURRENT REV DESC: ADDING NEW PART NUMBER							
FA=0	mm	NTS		 MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER PRODUCT CUSTOMER DRAWING							
FE=0	GENERAL TOLERANCES (UNLESS SPECIFIED)										
FP=0	MM		INCH								
DIVISIONAL SYMBOLS	4 PLACES ±	±	±								
	3 PLACES ±	±	±	STATUS: Production		2026-06-04					
	2 PLACES ±	0.200	±	DRWN: Meghraj Boodagatti		2026-06-10					
	1 PLACE ±	±	±	CHK'D: Meghraj Boodagatti		2026-06-10					
	0 PLACES ±	±	±	APPR: Saravanakumar Murugesan		2026-06-10					
	ANGULAR TOL ± 3°			INITIAL REVISION:							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRWN: GMENARLY		2015-05-22					
	THIRD ANGLE PROJECTION			APPR: KHLIM		2015-09-22					
	DRAWING		SERIES	DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
	A3-SIZE		87832	SD-87832-0001		PSD		001		A25	
	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER							
			GENERAL MARKET	10 OF 13							

40 TO 50 CIRCUITS

CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	VOID PIN LOCATION	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION							
								DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H
40	87832-4060	87832-4062	87832-6962		-	1	1						42.65	40.85	38.00	34.00	36.00	41.00	0.15	3.60±0.20
	87832-4020	87832-4022	87832-6922		-	1	2	YES	N.A	YES	YES	YES								
	87832-4021	87832-4023	87832-6923		-	1	3													
	87832-4070	87832-4072	87832-6972		-	1	4													
	87832-4012	87832-4016	N.A		-	N.A	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20
	87832-6925			-	N.A	3														
42	87832-4260	87832-4262	N.A		-	N.A	1						44.65	42.85	40.00	36.00	38.00	43.00	0.15	3.60±0.20
	87832-4220	87832-4222	87832-4230		-	N.A	2	YES	N.A	YES	YES	YES								
	87832-4221	87832-4223	N.A		-	N.A	3													
	87832-4270	87832-4272	N.A		-	N.A	4													
44	87832-4460	87832-4462	87832-7162		-	1	1						46.65	44.85	42.00	38.00	40.00	45.00	0.15	3.60±0.20
	87832-4420	87832-4422	87832-7122		-	1	2	YES	N.A	YES	YES	YES								
	87832-4421	87832-4423	87832-7123		-	1	3													
	87832-4470	87832-4472	87832-7172		-	1	4													
	87832-4413	87832-4417	87832-4415		-	3	3	YES	N.A	YES	YES	N.A							0.15	3.60±0.20
46	87832-4660	87832-4662	87832-7262		-	1	1						48.65	46.85	44.00	40.00	42.00	47.00	0.15	3.60±0.20
	87832-4620	87832-4622	87832-7222	87832-7230	-	1	2	YES	N.A	YES	YES	YES								
	87832-4621	87832-4623	N.A		-	N.A	3													
	87832-4670	87832-4672	87832-7272		-	1	4													
48	87832-4860	87832-4862	N.A		-	N.A	1						50.65	48.85	46.00	42.00	44.00	49.00	0.15	3.60±0.20
	87832-4820	87832-4822	N.A		-	N.A	2	YES	N.A	YES	YES	YES								
	87832-4821	87832-4823	N.A		-	N.A	3													
	87832-4870	87832-4872	N.A		-	N.A	4													
50	87832-5060	87832-5062	87832-7462		-	1	1						52.65	50.85	48.00	44.00	46.00	51.00	0.15	3.60±0.20
	87832-5020	87832-5022	87832-7422		-	1	2	YES	N.A	YES	YES	YES								
	87832-5021	87832-5023	87832-7423		-	1	3													
	87832-5070	87832-5072	87832-7472		-	1	4													
		87832-5032			9,10,11,12,17,18,39,40	1	1													
		87832-5033			18,17,33,34	1	1													
	87832-5012	87832-5016	N.A		-	N.A	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20

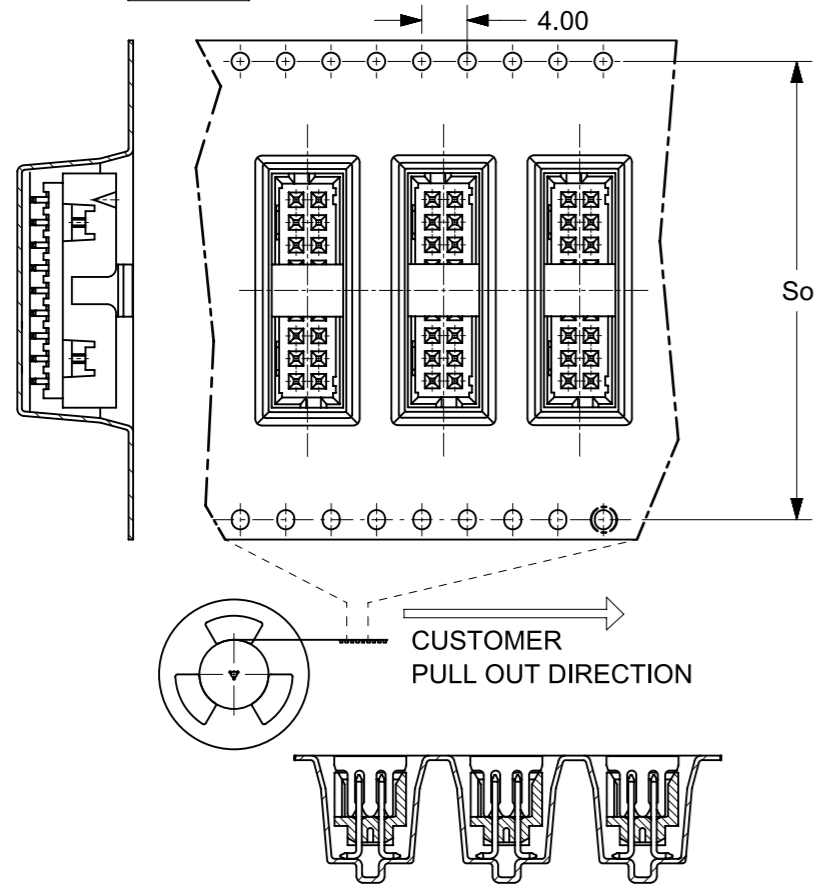
PLATING OPTIONS:

- 1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
- 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

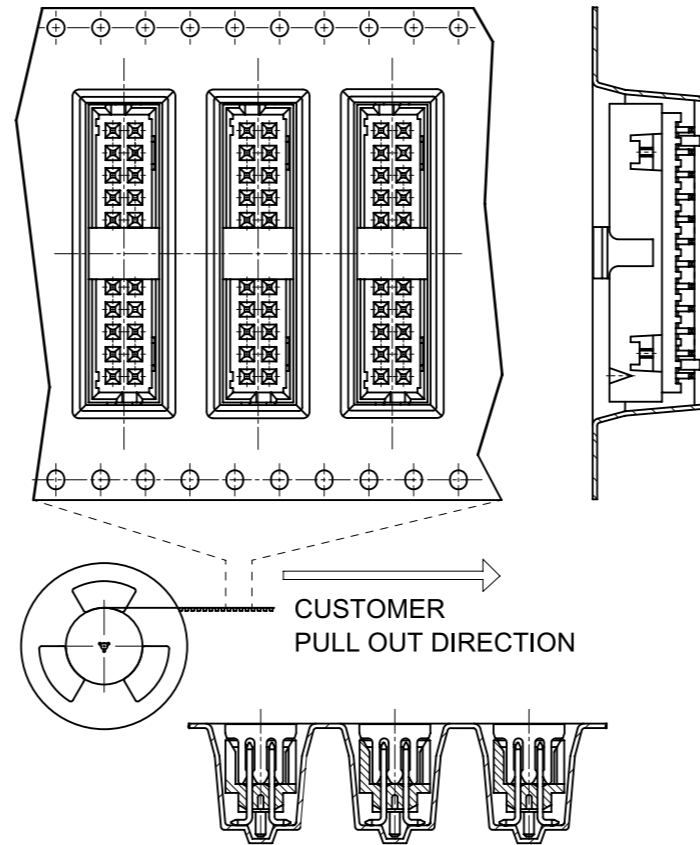
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FA = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDING NEW PART NUMBER													
FE = 0	mm	NTS	 MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER													
FP = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)															
			MM		INCH		STATUS: Production									
	4 PLACES	±	±	DRWN: Meghraj Boodagatti 2026-06-04				CHK'D: Meghraj Boodagatti 2026-06-10								
	3 PLACES	±	±	APPR: Saravanakumar Murugesan 2026-06-10				INITIAL REVISION:								
	2 PLACES	±	0.200	DRWN: GMENARLY 2015-05-22				2015-09-22								
	1 PLACE	±	±	APPR: KHLIM				SD-87832-0001								
	0 PLACES	±	±	ANGULAR TOL ± 3°				PSD 001 A25								
	DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							A3-SIZE		87832		GENERAL MARKET		11 OF 13			

PACKAGING OPTIONS

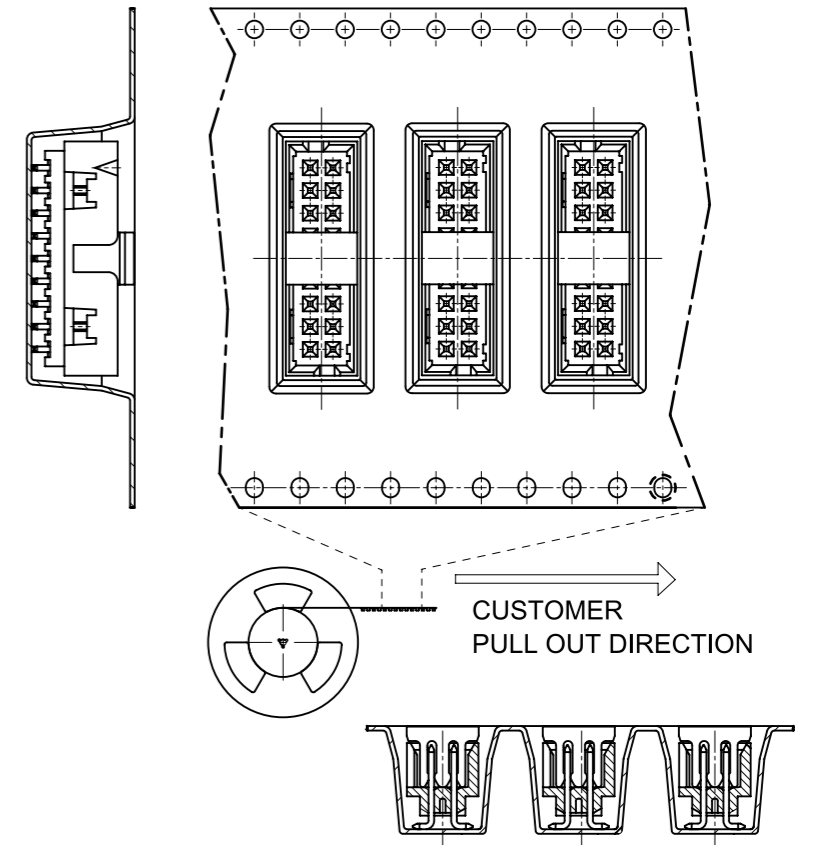
OPTION 1



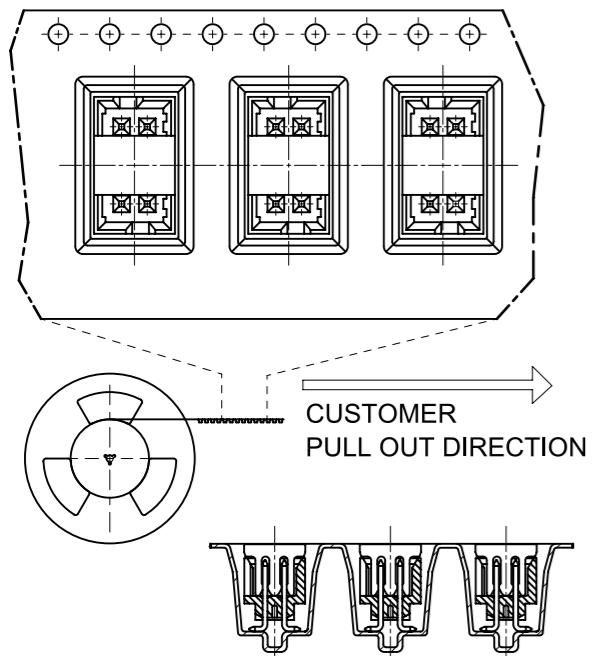
OPTION 2



OPTION 3



VIEW FOR 1 SIDE PILOT HOLE



PACKAGING SPECIFICATION TABLE

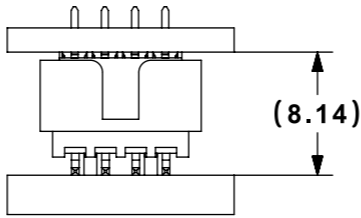
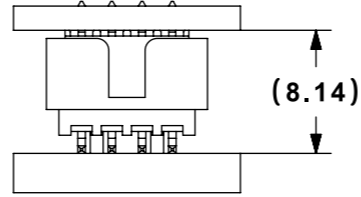
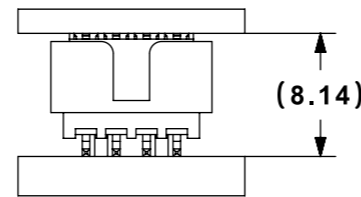
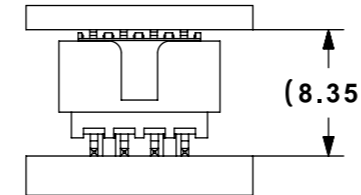
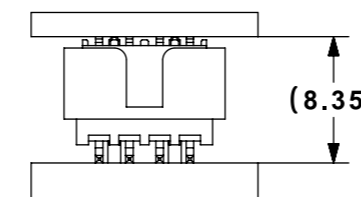
TAPE AND REEL PACKAGING	PK-87832-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87832-0411 87832-0824 87832-1072 87832-1412	PK-87831-002


EMBOSSED TAPE & REEL POCKET DESCRIPTIONS

OPTIONS	CENTER POLARIZATION OPTIONS		PEG OPTIONS		PILOT HOLE OPTIONS	
	ON THE LEFT	ON THE RIGHT	WITH PEG	WITHOUT PEG	2 SIDES	1 SIDE
1	YES	N.A	YES	N.A	CKT 12-50	CKT 4-10
2	N.A	YES	YES	YES	CKT 12-50	CKT 4-10
3	YES	N.A	N.A	YES	CKT 12-50	CKT 4-10

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: ADDING NEW PART NUMBER			
	$\nabla_A = 0$ $\nabla_F = 0$ $\nabla_P = 0$	DIMENSION UNITS: mm SCALE: NTS	GENERAL TOLERANCES (UNLESS SPECIFIED) MM INCH 4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± 0.200 ± 1 PLACE ± ± 0 PLACES ± ± ANGULAR TOL ± 3°			
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 87832	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-87832-0001 DOC TYPE: PSD DOC PART: 001 REVISION: A25 MATERIAL NUMBER: CUSTOMER: GENERAL MARKET SHEET NUMBER: 12 OF 13

BOARD TO BOARD (BTB) DISTANCE

HEADER	MATES WITH (RECEPTACLE)	BTB DIST.	PICTORIAL VIEW
87832	79107	8.14	
	78787	8.14	
	79108	8.14	
	79109	8.35	
	78788	8.35	

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: ADDING NEW PART NUMBER					
	$\nabla_A = 0$ $\nabla_F = 0$ $\nabla_P = 0$	DIMENSION UNITS	SCALE		STATUS: Production				
DIVISIONAL SYMBOLS	mm	NTS		DRWN: Meghraj Boodagatti 2026-06-04			2MM PITCH, SMT VERTICAL SHROUDED HEADER		
	GENERAL TOLERANCES (UNLESS SPECIFIED)			CHK'D: Meghraj Boodagatti 2026-06-10			PRODUCT CUSTOMER DRAWING		
		MM	INCH	APPR: Saravanakumar Murugesan 2026-06-10			DOCUMENT NUMBER		
	4 PLACES	±	±	INITIAL REVISION:			DOC TYPE DOC PART REVISION		
	3 PLACES	±	±	DRWN: DRWN BY			SD-87832-0001 PSD 001 A25		
	2 PLACES	± 0.200	±	APPR: APPR BY			MATERIAL NUMBER CUSTOMER		
1 PLACE	±	±	ANGULAR TOL ± 3°			GENERAL MARKET			
0 PLACES	±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SHEET NUMBER			
			THIRD ANGLE PROJECTION	DRAWING	SERIES	A3-SIZE		87832	13 OF 13