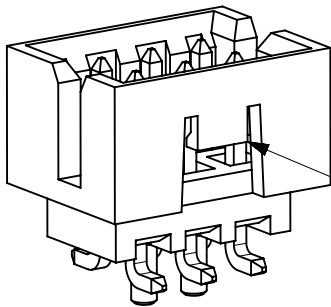
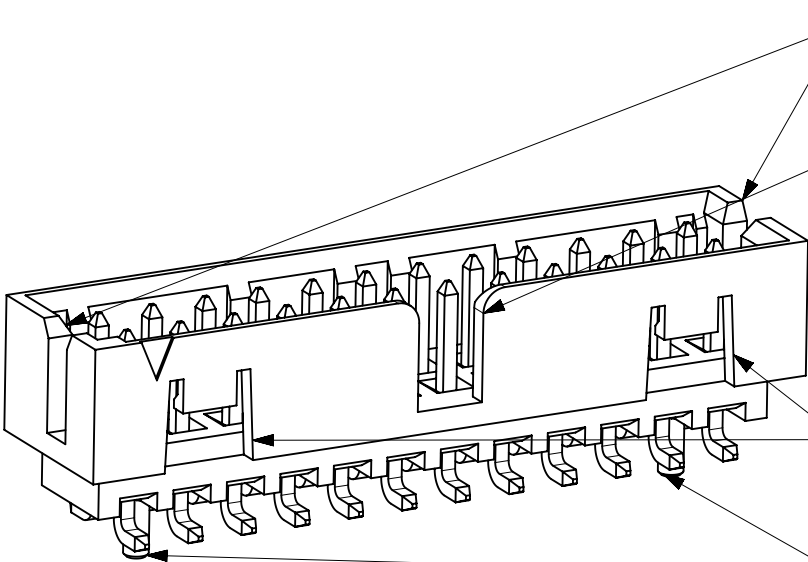


FEATURES SELECTION GUIDE



2 CENTER LOCK



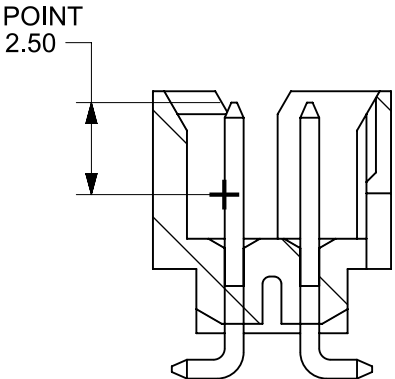
3 DUAL SIDE SLOTS

4 CENTER POLARIZATION

1 DUAL LOCKS

5 PEGS

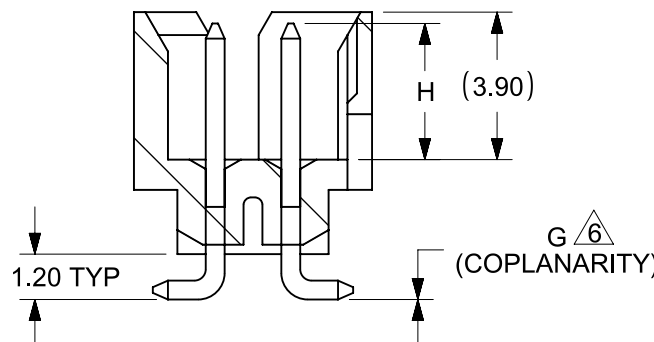
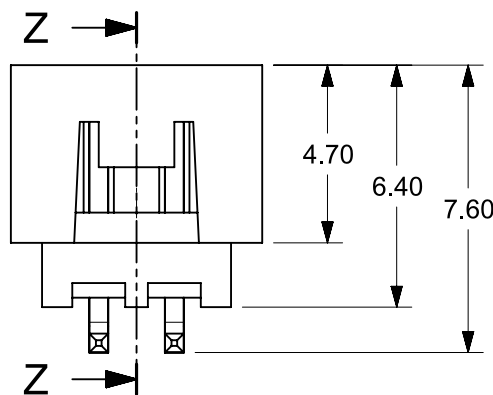
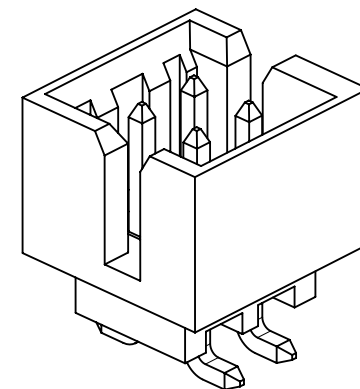
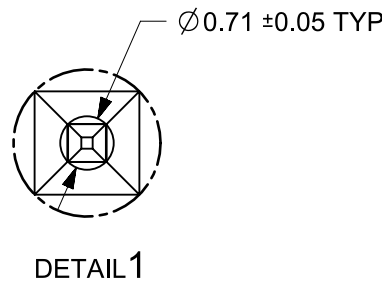
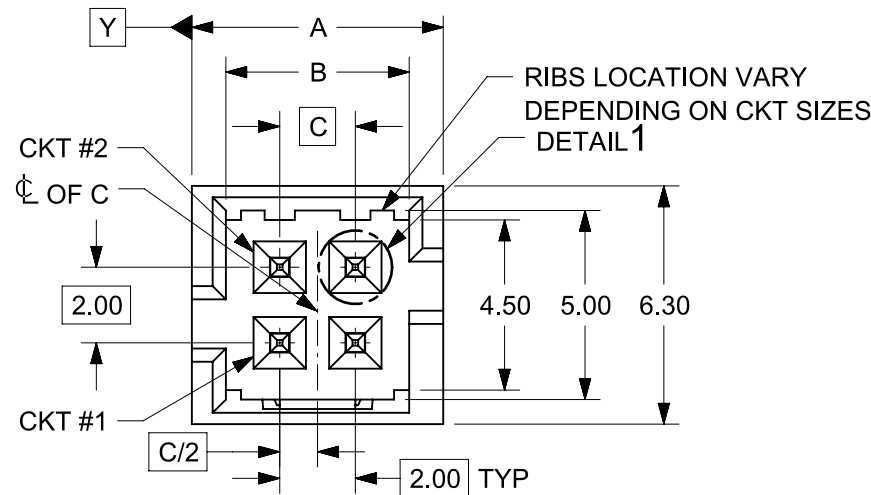
PLATING MEASUREMENT



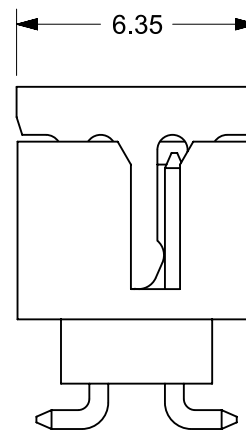
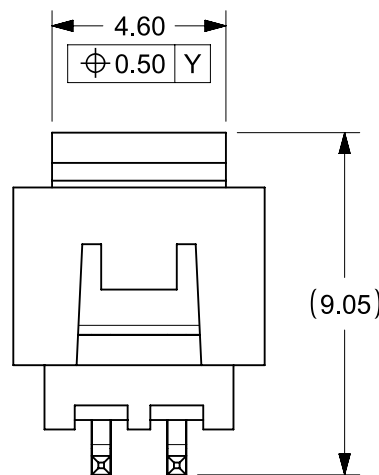
CIRCUIT SIZE	FEATURES					SHEET NO
	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	
	① DUAL	② CENTER				
4	N.A	N.A	YES	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	YES	
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
8 TO 12	N.A	N.A	YES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

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

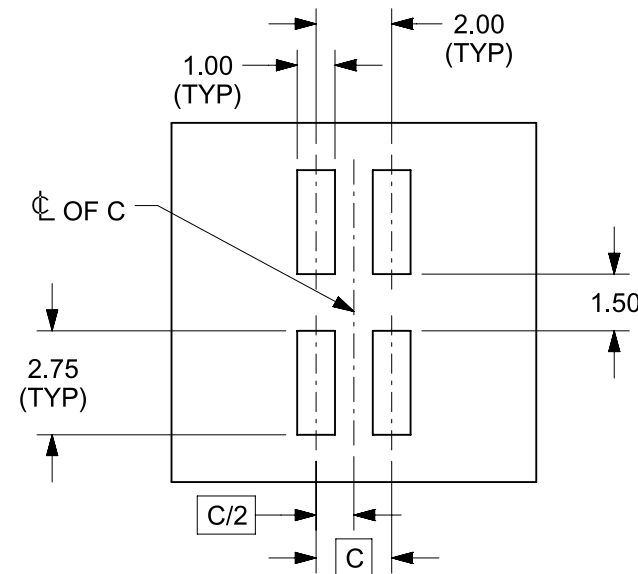
4 CIRCUITS



SECTION Z-Z



VIEW FOR HEADER WITH CAP

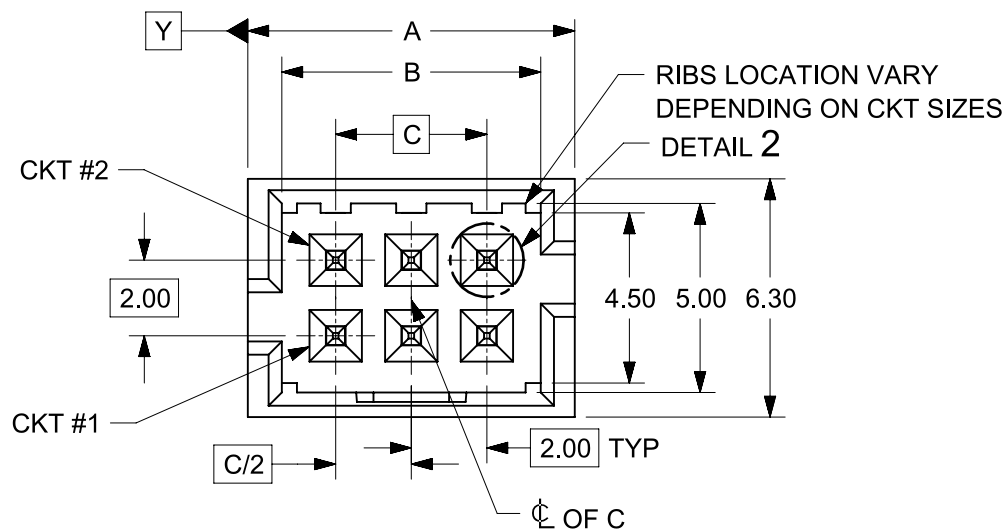


RECOMMENDED PCB LAYOUT

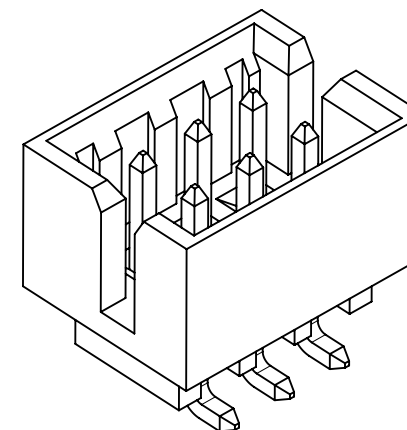
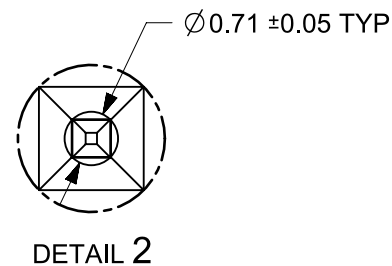
NOTES:

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)
6. 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

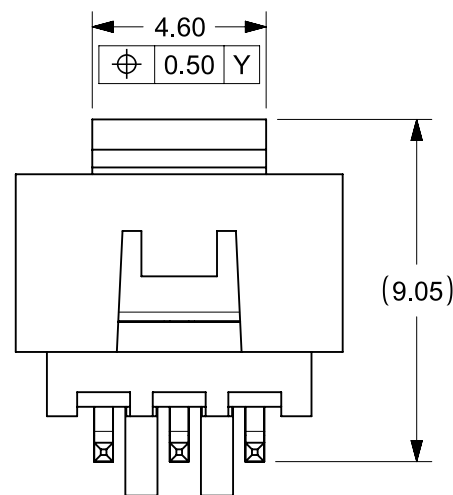
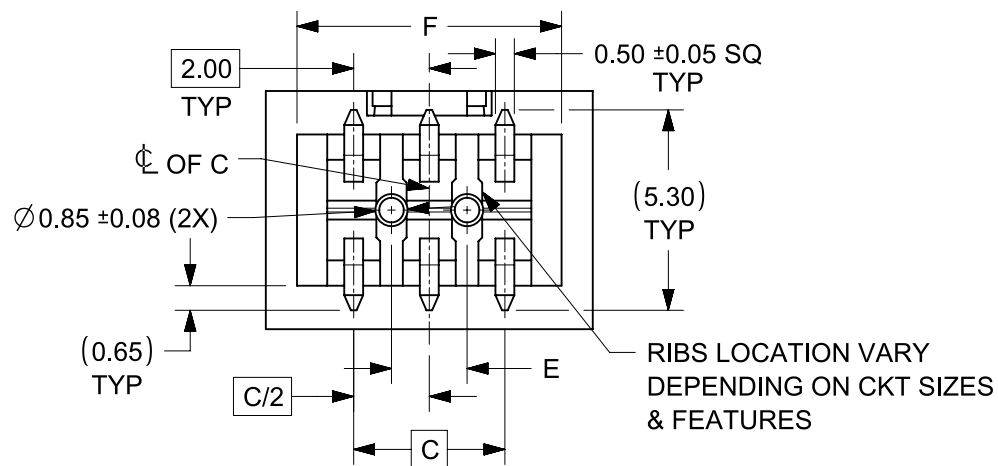
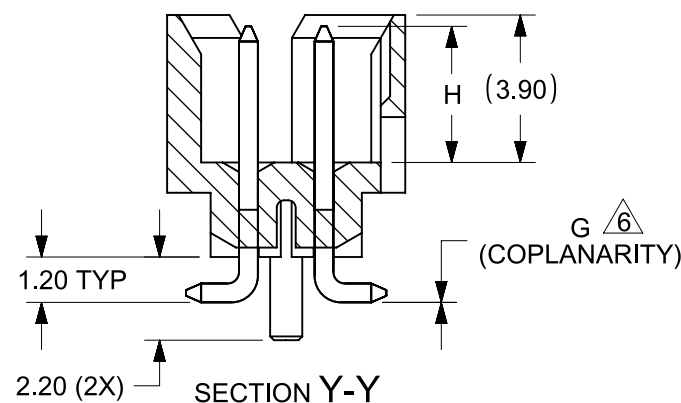
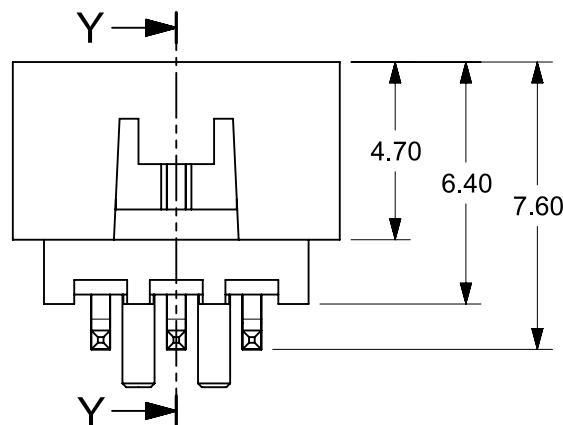
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
FA = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDING NEW PART NUMBER					molex				
	mm		NTS											
FE = 0	GENERAL TOLERANCES (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				
		MM		INCH										
FP = 0	4 PLACES	±	±		PRODUCT CUSTOMER DRAWING					DOCUMENT NUMBER SD-87832-0001 DOC TYPE PSD DOC PART 001 REVISION A25				
	3 PLACES	±	±											
	2 PLACES	±	0.200	±										
	1 PLACE	±	±											
DIVISIONAL SYMBOLS	0 PLACES	±	±		INITIAL REVISION: DRWN: GMENARLY 2015-05-22 APPR: KHLIM 2015-09-22					SHEET NUMBER GENERAL MARKET 2 OF 13				
	ANGULAR TOL	±	3°											
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													THIRD ANGLE PROJECTION



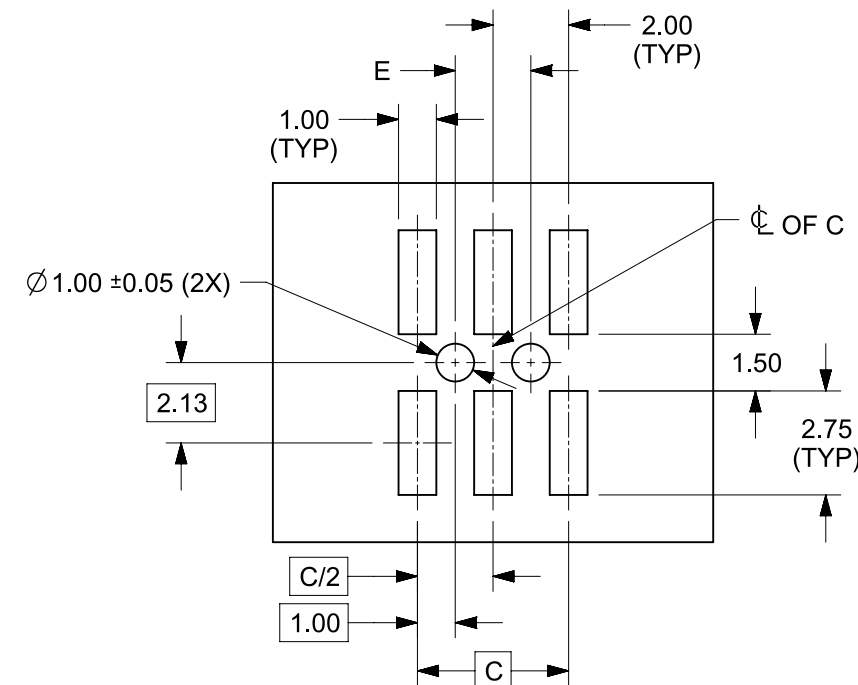
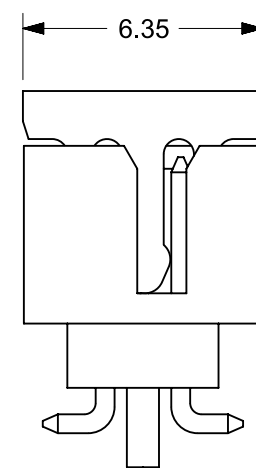
6 CIRCUITS



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

10	9	8	7	6	5	4	3	2	1										
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 POLARIZ ATION	PEGS	DIMENSION							
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H
A24 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													
	87832-0812	87832-0816	87832-0814		1	2	N.A	N.A	YES	YES	N.A							0.10	3.60±0.20
	87832-0824	87832-0826	87832-0828		1	2	N.A	YES	YES	N.A	N.A								
	87832-0825	87832-0827	87832-0829		1	3	N.A	YES	YES	N.A	YES								
	87832-0810	87832-0808	87832-0806		1	2													
	87832-0811	87832-0809	87832-0807		1	3	N.A	YES	YES	N.A	YES							0.10	3.60±0.20
87832-0804	N.A	N.A		N.A	2	N.A	YES	YES	N.A	YES									
10	87832-1060	87832-1062	87832-5462		1	1	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
	87832-1020	87832-1022	87832-5422	87832-5430	1	2													
	87832-1021	87832-1023	87832-5423		1	3													
			87832-9423		2														
	87832-1070	87832-1072	87832-5472		1	4	N.A	N.A	YES	YES	N.A								
	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	N.A	YES	YES	N.A	YES								
	87832-1010	87832-1008	87832-1006		1	2													
	87832-1011	87832-1009	87832-1007		1	3													
87832-1004	N.A	N.A		N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20							
12	87832-1260	87832-1262	87832-5562		1	1	N.A	N.A	YES	YES			YES	14.65	12.85	10.00	N.A	8.00	13.00
	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								
	87832-1224	87832-1226	87832-1228		1	2													
	87832-1225	87832-1227	87832-1229		1	3						N.A	YES						
	87832-1210	87832-1208	87832-1206		1	2													
	87832-1211	87832-1209	87832-1207		1	3	N.A	YES	YES	N.A	YES								
	87832-1204	N.A	N.A		N.A	2						N.A	YES						
87832-1212	N.A	N.A		N.A	2	N.A						N.A	YES	YES	N.A				
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 FA = 0 FB = 0 FC = 0 DIVISIONAL SYMBOLS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION 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° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS CURRENT REV DESC: ADDING NEW PART NUMBER STATUS: Production DRWN: Meghraj Boodagatti CHK'D: Meghraj Boodagatti APPR: Saravanakumar Murugesan 2026-06-04 2026-06-10 2026-06-10 INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM 2015-05-22 2015-09-22 PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-87832-0001 DOC TYPE PSD DOC PART 001 REVISION A25 MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER THIRD ANGLE PROJECTION DRAWING A3-SIZE SERIES 87832 MATERIAL NUMBER CUSTOMER GENERAL MARKET SHEET NUMBER 7 OF 13																			
10	9	8	7	6	5	4	3	2	1										

FUNCTIONAL SYMBOLS

FA

=

0

FB

=

0

FC

=

0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

mm

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.200

±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

±

3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDING NEW PART NUMBER

STATUS: Production

DRWN: Meghraj Boodagatti

CHK'D: Meghraj Boodagatti

APPR: Saravanakumar Murugesan

2026-06-04

2026-06-10

2026-06-10

INITIAL REVISION:

DRWN: GMENARLY

APPR: KHLIM

2015-05-22

2015-09-22

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

87832

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.200

±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

±

3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDING NEW PART NUMBER

STATUS: Production

DRWN: Meghraj Boodagatti

CHK'D: Meghraj Boodagatti

APPR: Saravanakumar Murugesan

2026-06-04

2026-06-10

2026-06-10

INITIAL REVISION:

DRWN: GMENARLY

APPR: KHLIM

2015-05-22

2015-09-22

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

87832

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.200

±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

±

3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDING NEW PART NUMBER

STATUS: Production

DRWN: Meghraj Boodagatti

CHK'D: Meghraj Boodagatti

APPR: Saravanakumar Murugesan

2026-06-04

2026-06-10

2026-06-10

INITIAL REVISION:

DRWN: GMENARLY

APPR: KHLIM

2015-05-22

2015-09-22

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

87832

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.200

±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

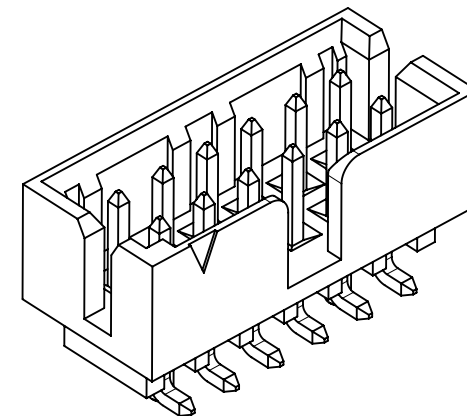
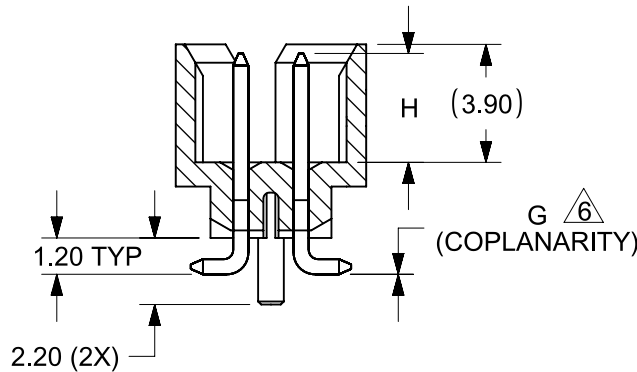
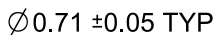
±

3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

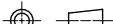
CURRENT REV DESC: ADD

$\varnothing 0.71 \pm 0.05$ TYP



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)

6. 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 DIVISIONAL 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: ADDING NEW PART NUMBER			molex MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER							
	mm		NTS												
	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 INITIAL REVISION: DRWN: GMENARLY 2015-05-22 APPR: KHLIM 2015-09-22							PRODUCT CUSTOMER DRAWING			
		MM	INCH												
	4 PLACES	±	±												
	3 PLACES	±	±												
	2 PLACES	± 0.200	±												
	1 PLACE	±	±												
	0 PLACES	±	±												
ANGULAR TOL		± 3°		DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		87832				GENERAL MARKET		8 OF 13	

10		9		8		7		6		5		4		3		2		1			
14 TO 24 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	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZA TION	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	15.0 0	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				
E	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	17.0 0	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
	87832-1619	87832-1645	87832-1635		1	1															
D	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	19.0 0	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
	87832-1813	87832-1817	87832-1815		3	3	YES	N.A	YES	YES	N.A	0.15	3.60±0.20								
C	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	21.0 0	0.15	3.60±0.20	
		87832-2020	87832-2022	87832-5922	87832-5930	1	2														
		87832-2021	87832-2023	87832-5923		1	3														
		87832-2070	87832-2072	87832-5972		1	4														
				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	23.0 0	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															
B	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	25.0 0	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
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 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 FUNCTIONAL SYMBOLS 4 PLACES ± 0 3 PLACES ± 0 2 PLACES ± 0 1 PLACE ± 0 0 PLACES ± 0 DIVISIONAL SYMBOLS 4 PLACES ± 0 3 PLACES ± 0 2 PLACES ± 0 1 PLACE ± 0 0 PLACES ± 0 ANGULAR TOL ± 3° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING A3-SIZE SERIES 87832 DOCUMENT NUMBER SD-87832-0001 DOC TYPE PSD DOC PART 001 REVISION A25 SHEET NUMBER 9 OF 13 STATUS: Production DRWN: Meghraj Boodagatti CHK'D: Meghraj Boodagatti APPR: Saravanakumar Murugesan 2026-06-04 2026-06-10 2015-05-22 2015-09-22 INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM 2026-06-04 2026-06-10 2015-05-22 2015-09-22 THIRD ANGLE PROJECTION DRAWING A3-SIZE SERIES 87832 DOCUMENT NUMBER SD-87832-0001 DOC TYPE PSD DOC PART 001 REVISION A25 SHEET NUMBER 9 OF 13 CURRENT REV DESC: ADDING NEW PART NUMBER molex MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER PRODUCT CUSTOMER DRAWING																					
10		9		8		7		6		5		4		3		2		1			

10	9	8	7	6	5	4	3	2	1												
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															
	87832-2612	87832-2616	N.A		N.A	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20		
	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															
	N.A	87832-2816	N.A		1	2	YES	N.A	YES	YES	N.A									0.15	3.60±0.20
	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															
	87832-3012	87832-3016	87832-3014		3	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20		
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															
	87832-3412	87832-3416	87832-3414		3	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20		
	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.

FUNCTIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

mm

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.200

±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

±

3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

87832

DOCUMENT NUMBER

SD-87832-0001

DOC TYPE

PSD

DOC PART

001

REVISION

A25

SHEET NUMBER

10 OF 13

STATUS: Production

DRWN: Meghraj Boodagatti

CHK'D: Meghraj Boodagatti

APPR: Saravanakumar Murugesan

INITIAL REVISION:

DRWN: GMENARLY

APPR: KHLIM

2026-06-04

2026-06-10

2026-06-10

2015-05-22

2015-09-22

</

10	9	8	7	6	5	4	3	2	1																
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 POLARIZA TION	PEGS	DIMENSION												
								DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H					
40	87832-4060	87832-4062	87832-6962		-	1	1	YES	N.A	YES	YES	YES	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																		
	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
	87832-6925			-	N.A	3																			
42	87832-4260	87832-4262	N.A		-	N.A	1	YES	N.A	YES	YES	YES	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																		
	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	YES	N.A	YES	YES	YES	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																		
	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
46	87832-4660	87832-4662	87832-7262		-	1	1	YES	N.A	YES	YES	YES	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																		
	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	YES	N.A	YES	YES	YES	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																		
	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	YES	N.A	YES	YES	YES	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																		
	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.																									
10	9	8	7	6	5	4	3	2	1																

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FB

=

0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

mm

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.200

±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

±

3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDING NEW PART NUMBER

STATUS: Production

DRWN: Meghraj Boodagatti

CHK'D: Meghraj Boodagatti

APPR: Saravanakumar Murugesan

2026-06-04

2026-06-10

2026-06-10

INITIAL REVISION:

DRWN: GMENARLY

APPR: KHLIM

2015-05-22

2015-09-22

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

87832

DOCUMENT NUMBER

SHEET NUMBER

SD-87832-0001

11 OF 13

DOC TYPE

DOC PART

REVISION

PSD

001

A25

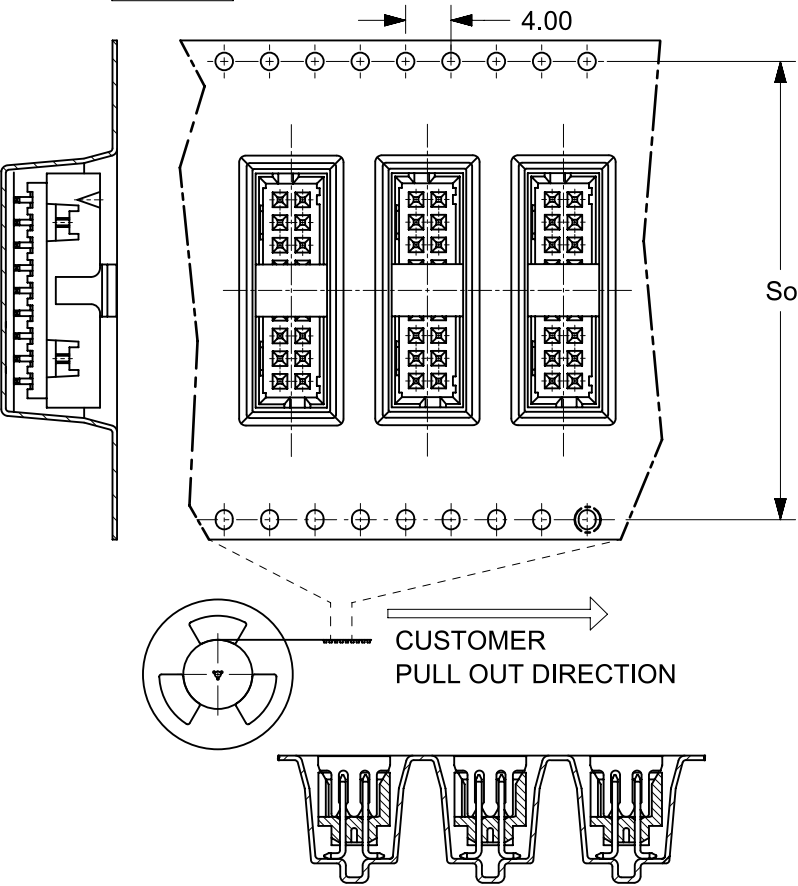
MATERIAL NUMBER

CUSTOMER

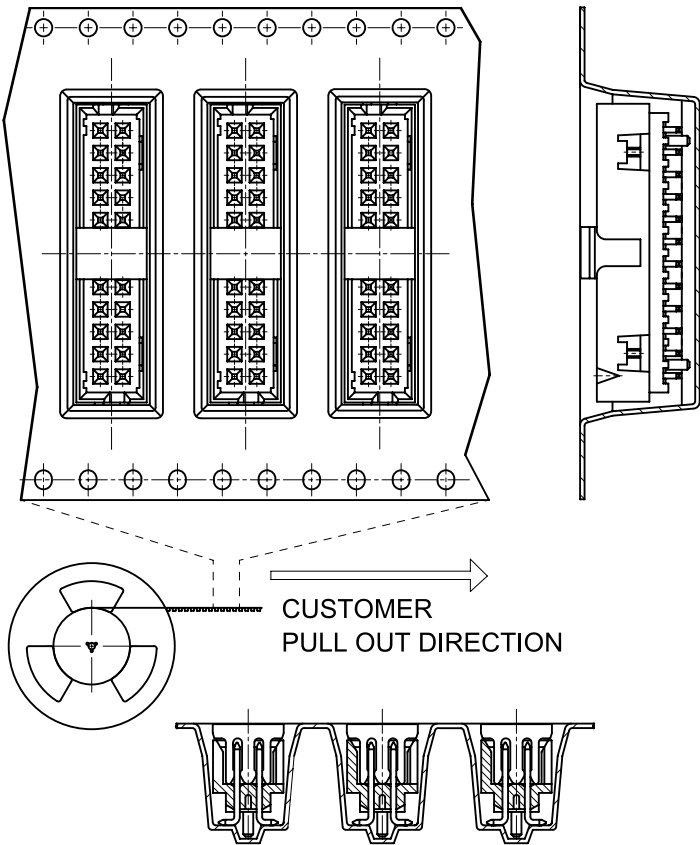
GENERAL MARKET

PACKAGING OPTIONS

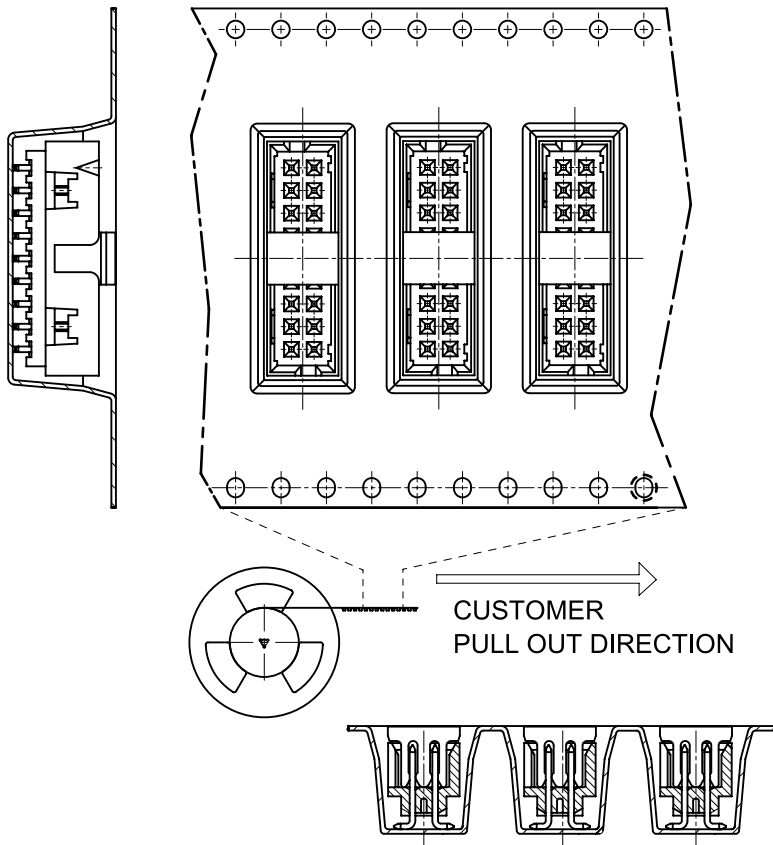
OPTION 1



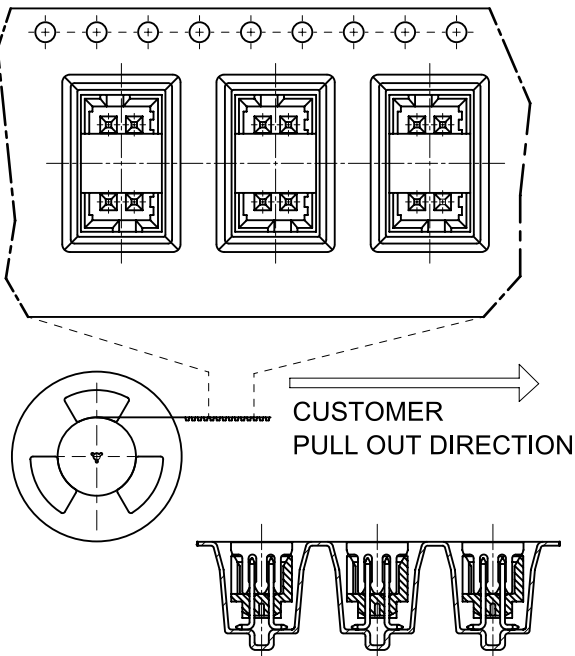
OPTION 2



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

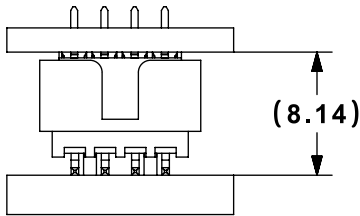
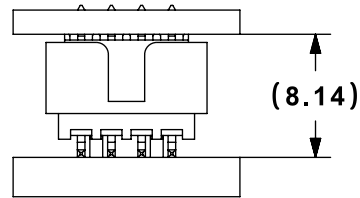
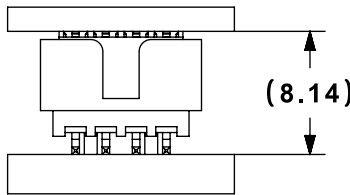
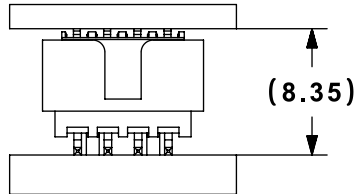
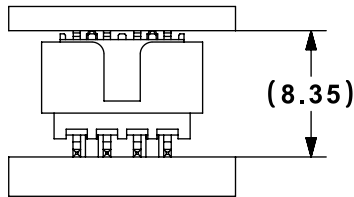
EMBOSSED TAPE & REEL POCKET DESCRIPTIONS

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 $\nabla_A = 0$ $\nabla_F = 0$ $\nabla_P = 0$ DIVISIONAL 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: ADDING NEW PART NUMBER			molex			
	mm NTS										
	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 INITIAL REVISION: DRWN: GMENARLY 2015-05-22 APPR: KHLIM 2015-09-22						MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER
		MM	INCH								
	4 PLACES	±	±								
	3 PLACES	±	±								
	2 PLACES	± 0.200	±								
	1 PLACE	±	±								
	0 PLACES	±	±								
ANGULAR TOL ± 3°				DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
						A3-SIZE	87832	SD-87832-0001		PSD	001 A25
								GENERAL MARKET		12 OF 13	

[illegible][illegible]

	10	9	8	7	6	5	4	3	2	1		
F	BOARD TO BOARD (BTB) DISTANCE											F
E											E	
D											D	
C											C	
B											B	
A											A	

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 = 0 = 0 = 0 DIVISIONAL 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: ADDING NEW PART NUMBER				molex MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER											
	mm		NTS																	
	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 INITIAL REVISION: DRWN: DRWN BY XXXX/XX/XX APPR: APPR BY XXXX/XX/XX				PRODUCT CUSTOMER DRAWING										
					DOCUMENT NUMBER					DOC TYPE		DOC PART		REVISION						
	4 PLACES		±							SD-87832-0001				PSD		001		A25		
	3 PLACES		±																	
	2 PLACES		±		0.200															
	1 PLACE		±																	
	0 PLACES		±																	
ANGULAR TOL ± 3°					THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									A3-SIZE		87832				GENERAL MARKET		13 OF 13			

FORMAT: MesInga-TClb-prod-A3

REVISION: B

DATE: 2023/10/23

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