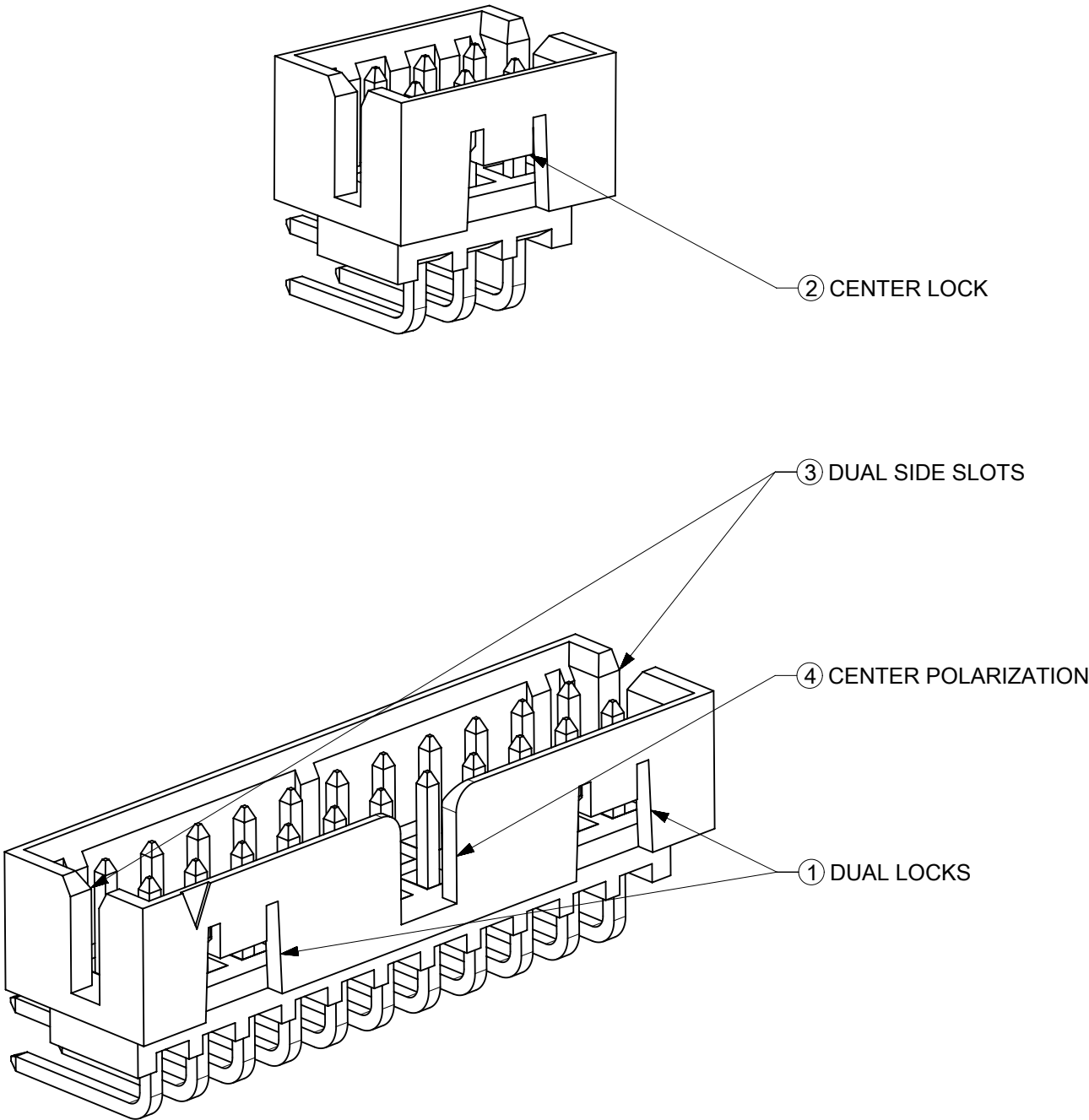


FEATURES SELECTION GUIDE



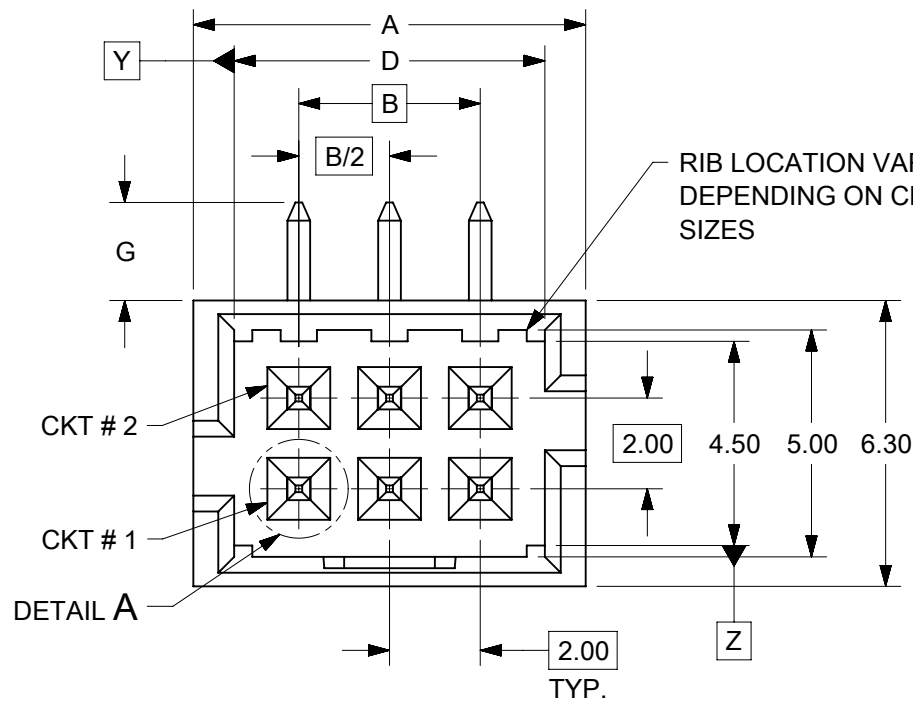
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	②CENTER			
4 TO 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

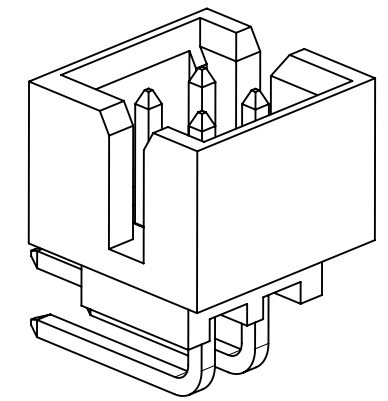
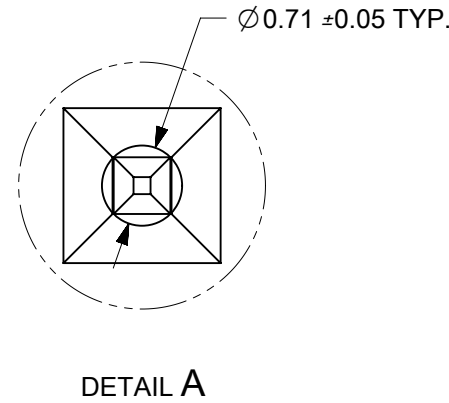
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
ADDED P/N 87833-1240 EC NO: 619199 DRWN: NMANE02 CHK'D: NMANE02 APPR: MRAMAKRISHNA	2019/03/29 2019/06/18 2019/06/18	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®					
			MM	INCH	MM		NTS							
		4 PLACES	±	±	DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE					
		3 PLACES	±	±	GMENARLY		2015/09/29							
		2 PLACES	± 0.2	±	CHK'D BY		DATE							
		1 PLACES	±	±	CGOH		2015/10/30							
		0 PLACES	±	±	APPR BY		DATE							
					KHLIM		2015/11/03		PRODUCT CUSTOMER DRAWING					
		ANGULAR TOL = 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER		
					A3				87833	SEE TABLE		GENERAL MARKET		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER			
A9		REV					SD-87833-0001		PSD	001	1 OF 9			

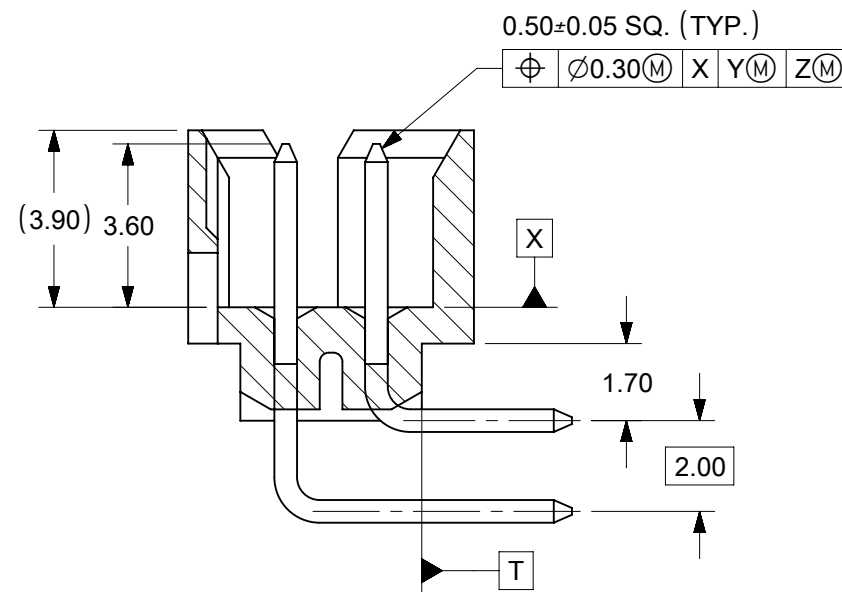
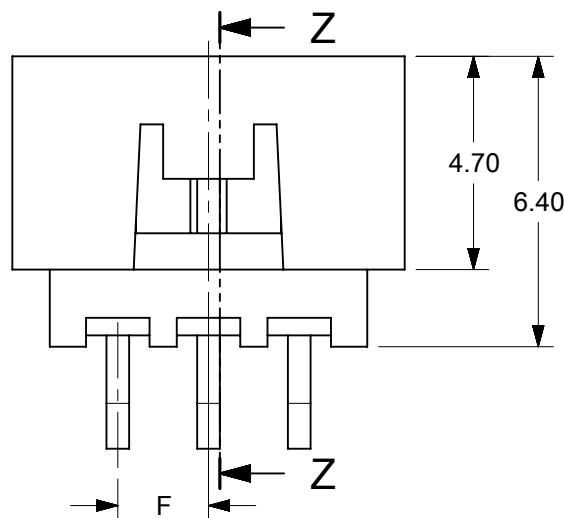
RELEASE STATUS	P1	RELEASE DATE	2019/06/18	15:31:10
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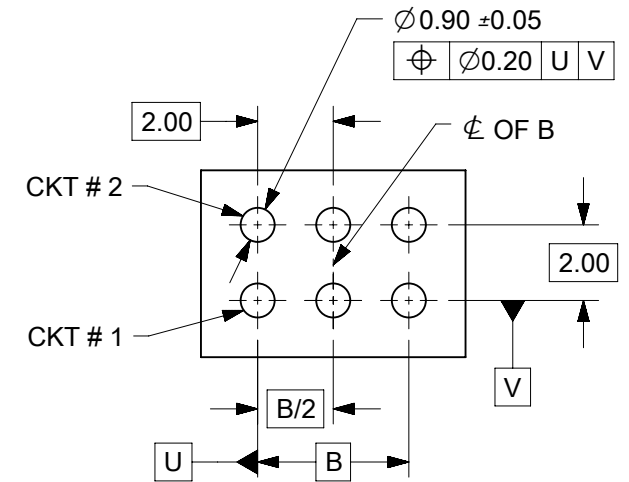
4 TO 6 CIRCUITS



ISO VIEW OF HEADER
DUAL SIDE SLOTS



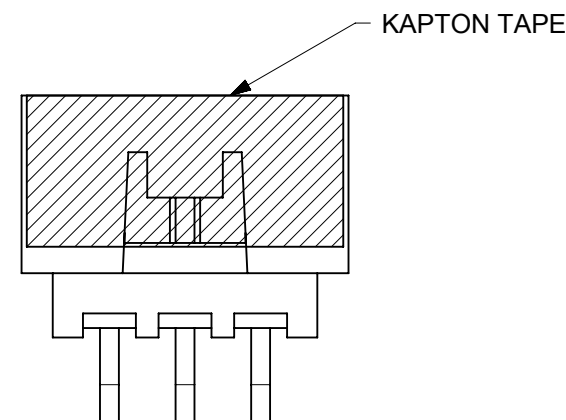
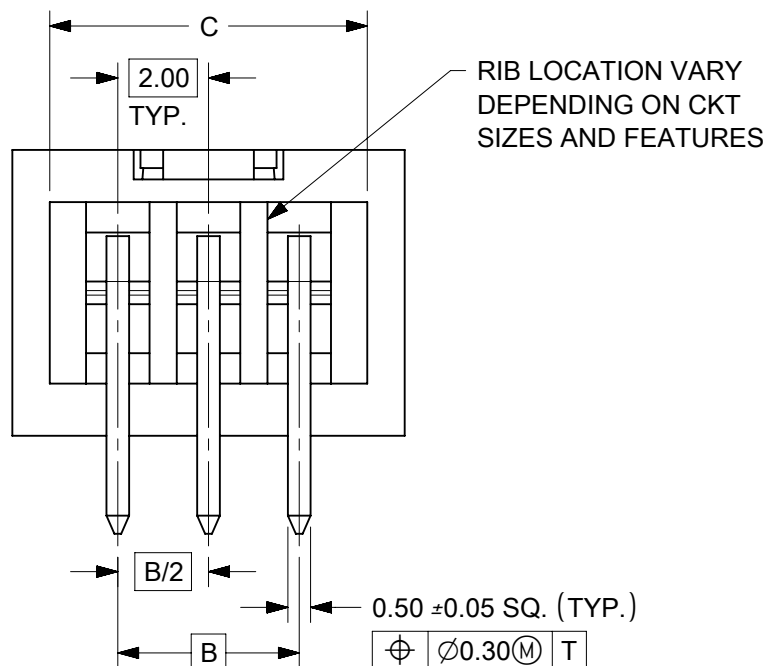
SECTION Z-Z



RECOMMENDED PCB LAYOUT

NOTES:

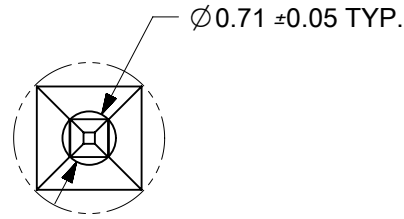
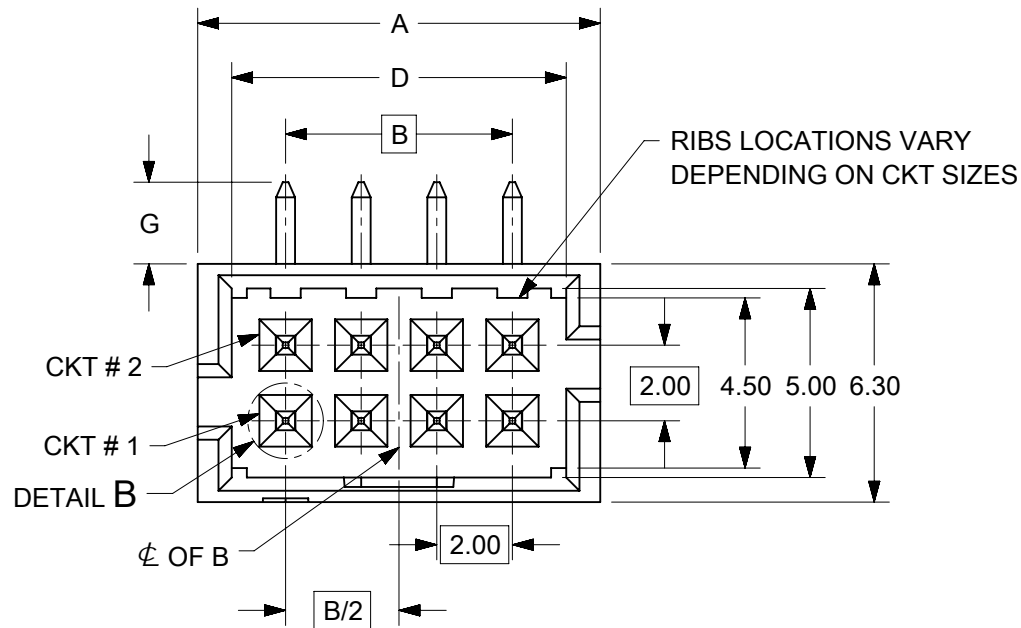
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK.
PIN: 0.50mm SQ. PHOSPHOR BRONZE.
2. FINISHES: REFER TO PLATING OPTIONS.
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND 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)
6. FOR ILLUSTRATION PURPOSE, 6 CIRCUITS HEADER IS SHOWN.



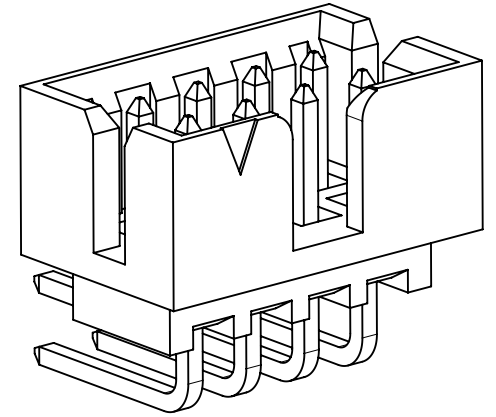
KAPTON TAPE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
ADDED P/N 87833-1240 EC NO: 619199 DRWN: NMANE02 CHK'D: NMANE02 REV APPR: MRAMAKRISHNA	2019/03/29 2019/06/18 2019/06/18	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS	SCALE		molex® MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE								
					MM	NTS										
					MM	INCH	DRWN BY	DATE								
			4 PLACES	±	±	GMENARLY	2015/09/29									
			3 PLACES	±	±	CHK'D BY	DATE									
			2 PLACES	± 0.2	±	CGOH	2015/10/30									
			1 PLACES	±	±	APPR BY	DATE									
			0 PLACES	±	±	KHLIM	2015/11/03		PRODUCT CUSTOMER DRAWING							
			ANGULAR TOL ± 3.0			DRAWING SIZE	THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER			CUSTOMER			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	A9	REV	A3			87833	SEE TABLE			GENERAL MARKET			
DOCUMENT NUMBER									DOC TYPE	DOC PART	SHEET NUMBER					
SD-87833-0001									PSD	001	2 OF 9					

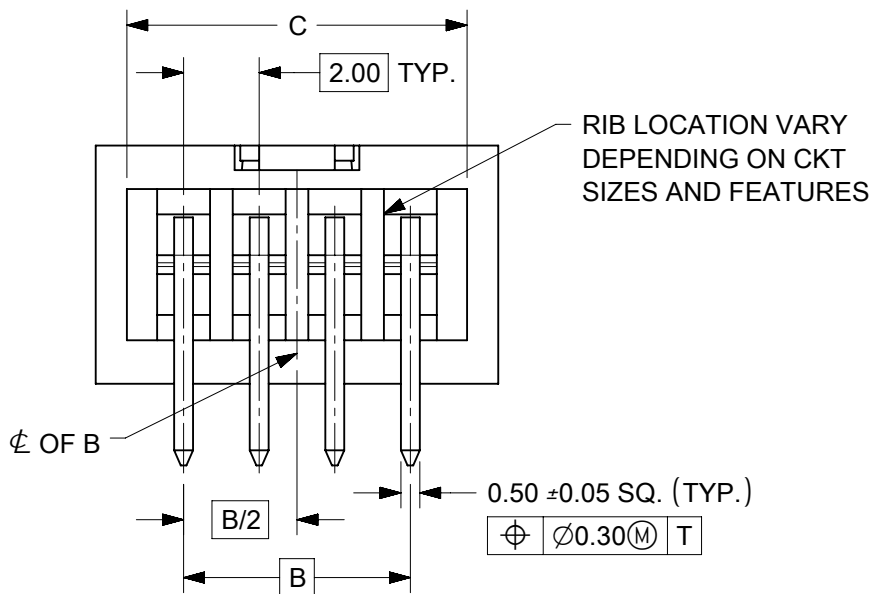
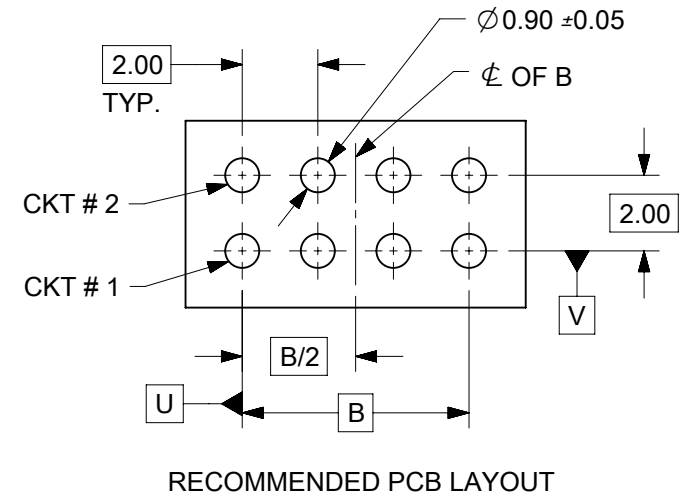
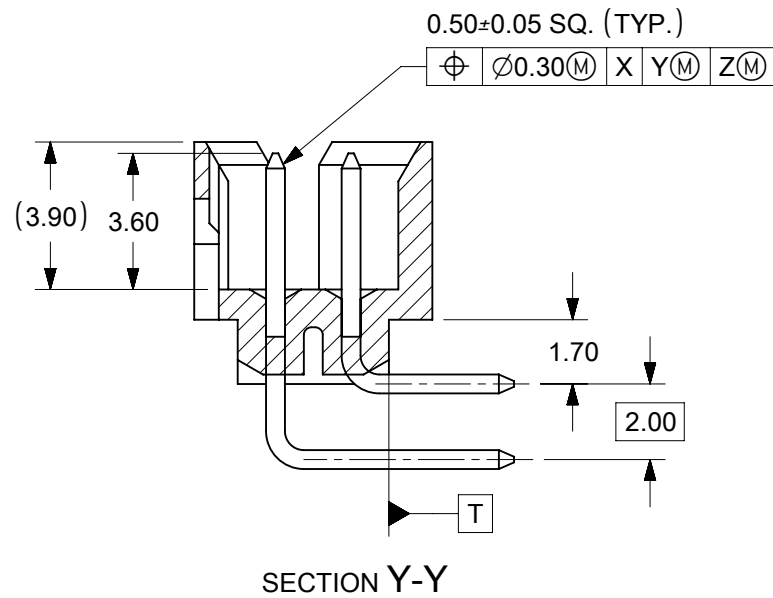
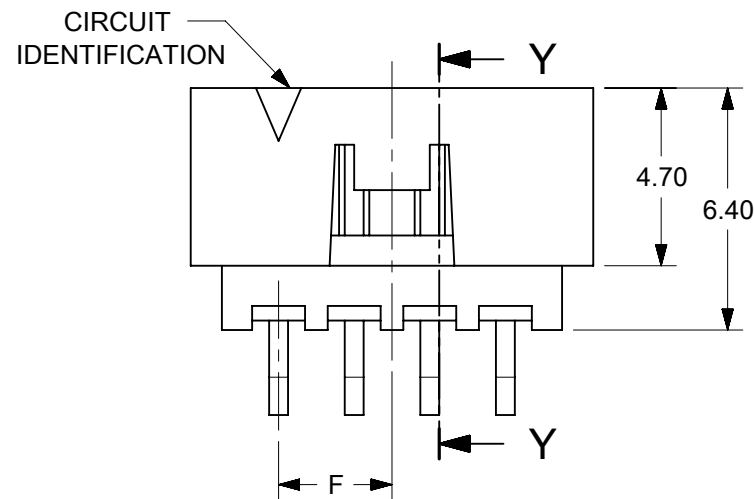
8 TO 12 CIRCUITS



DETAIL B



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS

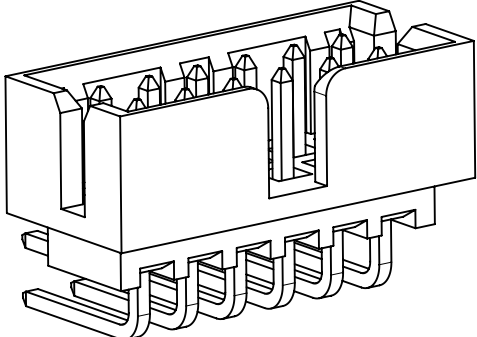
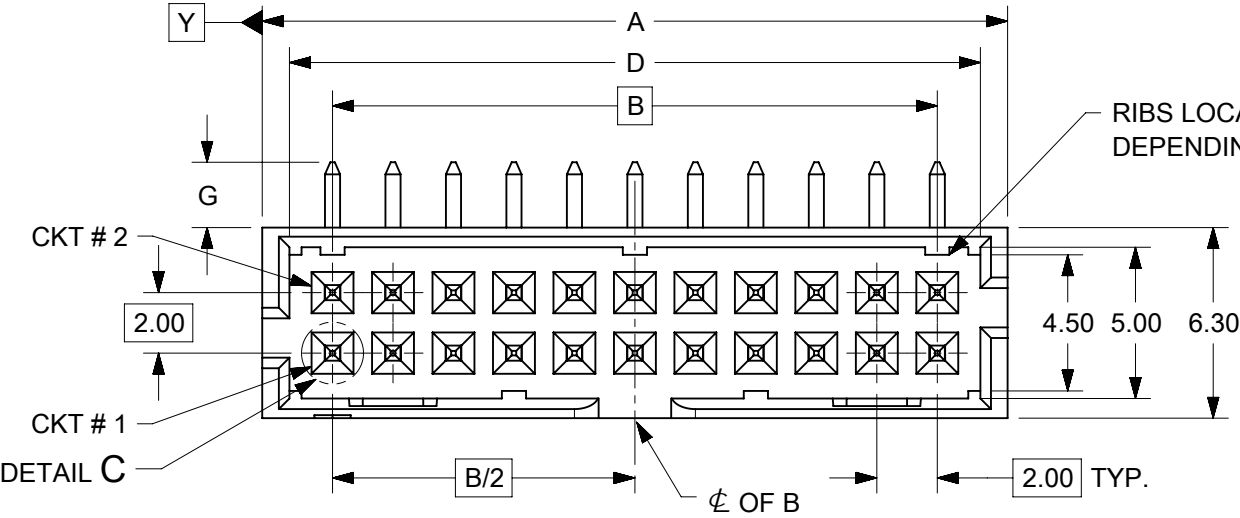


- NOTES:
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE.
 2. FINISHES: REFER TO PLATING OPTIONS.
 3. PRODUCT SPECIFICATION: PS-87831-027
 4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
 5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 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)
 6. FOR ILLUSTRATION PURPOSE, 8 CIRCUIT HEADER IS SHOWN.

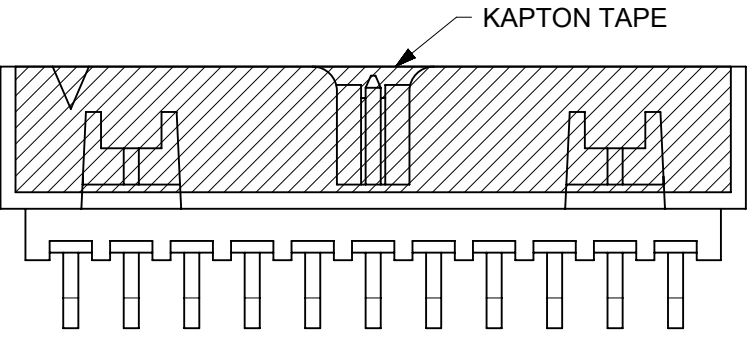
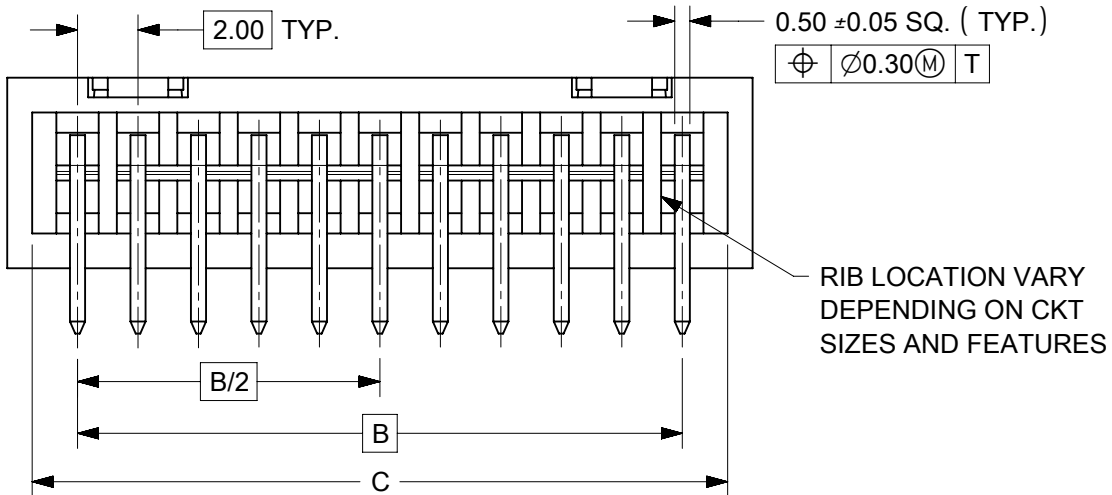
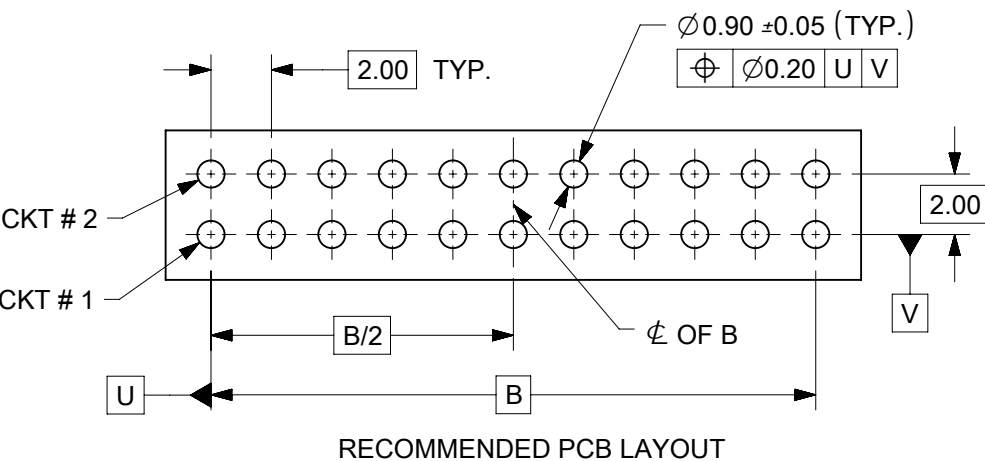
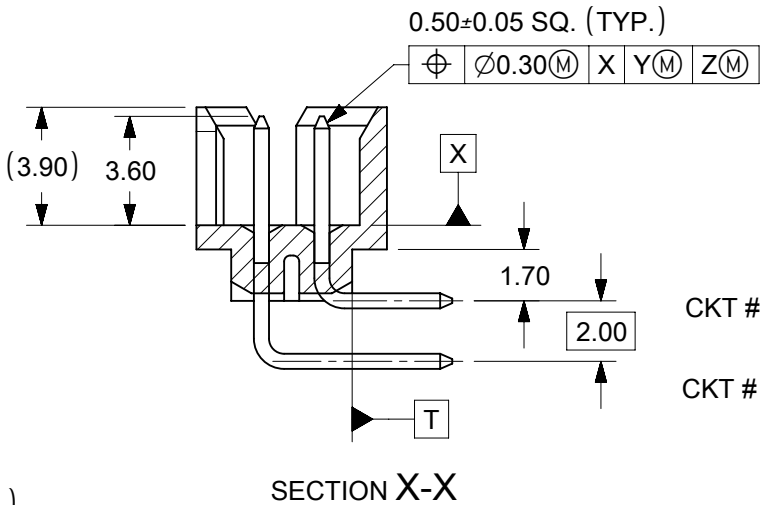
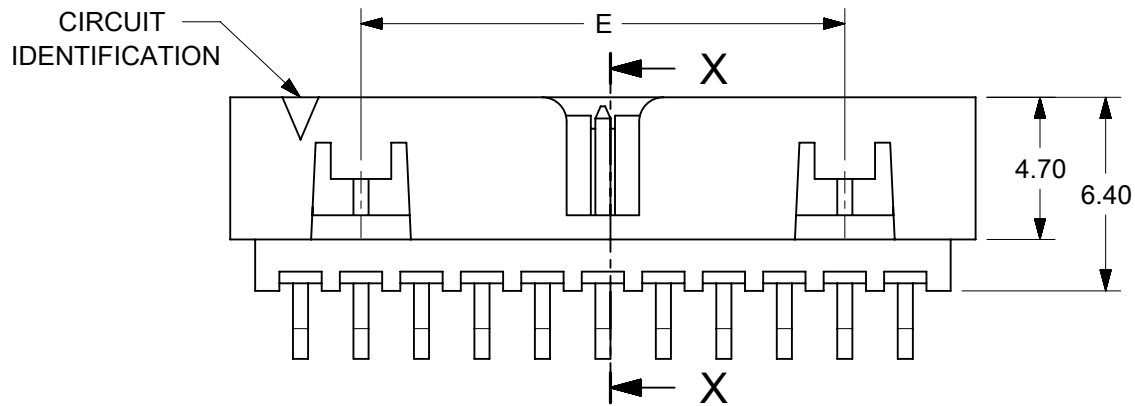
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ADDED P/N 87833-1240 EC NO: 619199 DRWN: NMANE02 CHK'D: NMANE02 REV / APPR: MRAMAKRISHNA		2019/03/29		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®							
		2019/06/18				MM		NTS									
		2019/06/18						DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE					
						MM											
		4 PLACES				±		±		GMENARLY						2015/09/29	
		3 PLACES				±		±		CHK'D BY						DATE	
		2 PLACES				± 0.2		±		CGOH						2015/10/30	
		1 PLACES				±		±		APPR BY		DATE		PRODUCT CUSTOMER DRAWING			
		0 PLACES				±		±		KHLIM		2015/11/03					
														SERIES		MATERIAL NUMBER	

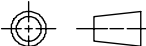
14 TO 50 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



- 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)
 6. FOR ILLUSTRATION PURPOSE, 22 CIRCUITS HEADER IS SHOWN.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
ADDED P/N 87833-1240 EC NO: 619199 DRWN: NMANE02 CHK'D: NMANE02 APPR: MRAMAKRISHNA	2019/03/29	2019/06/18	2019/06/18	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS MM		SCALE NTS		molex®							
				MM	INCH	DRWN BY		DATE										
	4 PLACES	±	±				GMENARLY		2015/09/29		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE							
	3 PLACES	±	±				CHK'D BY		DATE									
	2 PLACES	± 0.2	±				CGOH		2015/10/30									
	1 PLACES	±	±				APPR BY		DATE									
	0 PLACES	±	±				KHLIM		2015/11/03									
				ANGULAR TOL = 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87833		SEE TABLE		GENERAL MARKET			
	A9			REV								DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER
											SD-87833-0001		PSD		001		6 OF 9	

		9		8		7		6		5		4		3		2		1					
14 TO 24 CIRCUITS																							
E	14	87833-1419 87833-1420 87833-1421 87833-5320 87833-5321 87833-1436 N.A	ASSY. P/N WITHOUT KAPTON IN TUBE	ASSY. P/N WITH KAPTON IN TUBE	ASSY. P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION												
							DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)						
							YES	N.A			YES	YES	16.65	12.00	15.00	14.85	8.00	N.A	2.16				
																			YES	N.A	YES	YES	3.18
																							3.50
							YES	N.A			YES	YES							1.70				
							16	87833-1619 87833-1620 87833-1621 87833-6120			N.A N.A N.A N.A	N.A N.A (A9) 87833-7821 87833-7120							1 2 3 2	YES YES YES YES	N.A N.A N.A N.A	YES YES YES YES	YES YES YES YES
YES	N.A	YES	YES	20.65	16.00	19.00		18.85	12.00	N.A	2.16 3.18												
											YES	N.A	YES	YES	YES	YES	YES						
																		YES	N.A	YES	YES	3.18	
18	87833-1819 87833-1820 87833-1821 87833-6220	N.A N.A N.A N.A	N.A N.A N.A N.A				1 2 3 2				YES YES YES YES	N.A N.A N.A N.A	YES YES YES YES	YES YES YES YES	22.65	18.00	21.00	20.85	14.00	N.A	2.16 3.18		
	YES	N.A	YES	YES	YES	YES	YES	YES															
									YES	N.A	YES	YES	YES	YES							YES		
																						YES	N.A
20	87833-2019 87833-2020 87833-2021 87833-6520 87833-6521 87833-2036	N.A N.A N.A N.A N.A N.A	N.A 87833-7220 N.A N.A N.A N.A	1 2 3 2 3 3	YES YES YES YES YES YES	N.A N.A N.A N.A N.A N.A	YES YES YES YES YES YES	YES YES YES YES YES YES	24.65	20.00	23.00	22.85	16.00	N.A	2.16 3.18 3.50								
	YES	N.A	YES	YES	YES	YES	YES	YES															
															YES	N.A	YES	YES	YES	YES	YES		
																						YES	N.A
	22	87833-2219 87833-2220 87833-2221	N.A N.A N.A	N.A N.A N.A	1 2 3	YES YES YES	N.A N.A N.A	YES YES YES							YES YES YES	26.65	22.00	25.00	24.85	18.00	N.A	2.16 2.00 3.50 3.27	
		YES	N.A	YES	YES	YES	YES	YES							YES								
YES									N.A	YES	YES	YES	YES	YES									
24	87833-2419 87833-2420 87833-2421 87833-7320 87833-2436 87833-6920	N.A N.A N.A N.A N.A N.A	N.A 87833-7020 N.A N.A N.A N.A	1 2 3 2 3 2	YES YES YES YES YES YES	N.A N.A N.A N.A N.A N.A	YES YES YES YES YES YES	YES YES YES YES YES YES	26.65	22.00	25.00	24.85	18.00	N.A	2.16 2.00 3.50 3.27								
	YES	N.A	YES	YES	YES	YES	YES	YES															
															YES	N.A	YES	YES	YES	YES	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.

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

ADDED P/N 87833-1240

EC NO: 619199

DRWN: NMANE02

CHK'D: NMANE02

APPR: MRAMAKRISHNA

2019/03/29

2019/06/18

2019/06/18

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

± 0.2

±

1 PLACES

±

±

0 PLACES

±

±

ANGULAR TOL ± 3.0

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

SCALE

NTS

DRWN BY

GMENARLY

DATE

2015/09/29

CHK'D BY

CGOH

DATE

2015/10/30

APPR BY

KHLIM

DATE

2015/11/03

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

SERIES

87833

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

SD-87833-0001

DOC TYPE

PSD

DOC PART

001

SHEET NUMBER

7 OF 9

RELEASE STATUS

P1

RELEASE DATE

2019/06/18 15:31:10

9

8

7

6

5

4

3

2

1

FORMAT: Met-lega-master-ib-prod-A3

REVISION: C

DATE: 2017/02/08

9		8		7		6		5		4		3		2		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
26 TO 38 CIRCUITS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
E	26	ASSY. P/N WITHOUT KAPTON IN TUBE		ASSY. P/N WITH KAPTON IN TUBE		ASSY. P/N WITH KAPTON IN T&R		PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
									DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		87833-2619		N.A		N.A														1		YES		N.A		YES		YES		28.65		24.00		27.00		26.85		20.00		N.A		2.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		87833-2620		N.A		N.A														2		YES		N.A		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES		YES

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
ADDED P/N 87833-1240 EC NO: 619199 DRWN: NMANE02 CHK'D: NMANE02 APPR: MRAMAKRISHNA	2019/03/29 2019/06/18 2019/06/18	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®						
			MM	INCH	MM		NTS								
		4 PLACES	±		±	DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE					
		3 PLACES	±		±	GMENARLY		2015/09/29							
		2 PLACES	±	0.2	±	CHK'D BY		DATE							
		1 PLACES	±		±	CGOH		2015/10/30							
		0 PLACES	±		±	APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
		ANGULAR TOL ± 3.0			KHLIM		2015/11/03								
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
					A3				87833		SEE TABLE		GENERAL MARKET		
A9		REV					DOCUMENT NUMBER			DOC TYPE		DOC PART	SHEET NUMBER		
							SD-87833-0001			PSD		001	8 OF 9		

9		8		7		6		5		4		3		2		1			
40 TO 50 CIRCUITS																			
E	40	ASSY. P/N WITHOUT KAPTON IN TUBE		ASSY. P/N WITH KAPTON IN TUBE		ASSY. P/N WITH KAPTON IN T&R		PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						
									DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)
		87833-4019		N.A		N.A			1	YES			N.A	YES	YES	42.65	38.00	41.00	40.85
	87833-4020		N.A		N.A		2	YES	N.A	YES	YES	42.65	38.00	41.00	40.85	34.00	N.A	2.16	
	87833-4021		N.A		N.A		3												
	42	87833-4219		N.A		N.A		1	YES	N.A	YES	YES	44.65	40.00	43.00	42.85	36.00	N.A	2.16
		87833-4220		N.A		N.A		2											
		87833-4221		N.A		N.A		3											
	44	87833-4419		N.A		N.A		1	YES	N.A	YES	YES	46.65	42.00	45.00	44.85	38.00	N.A	2.16
		87833-4420		N.A		N.A		2											
		87833-4421		N.A		N.A		3											
		87833-4424		N.A		N.A		2	N.A	N.A	YES	YES							
		87833-4425		N.A		N.A		3											
	46	87833-4619		N.A		N.A		1	YES	N.A	YES	YES	48.65	44.00	47.00	46.85	40.00	N.A	2.16
		87833-4620		N.A		N.A		2											
87833-4621		N.A		N.A		3													
48	87833-4819		N.A		N.A		1	YES	N.A	YES	YES	50.65	46.00	49.00	48.85	42.00	N.A	2.16	
	87833-4820		N.A		N.A		2												
	87833-4821		N.A		N.A		3												
50	87833-5019		N.A		N.A		1	YES	N.A	YES	YES	52.65	48.00	51.00	50.85	44.00	N.A	2.16	
	87833-5020		N.A		N.A		2												
	87833-5021		N.A		N.A		3												

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.

9		8		7		6		5		4		3		2		1	
RELEASE STATUS		P1	RELEASE DATE		2019/06/18	15:31:10											

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ADDED P/N 87833-1240

EC NO: 619199

DRWN: NMANE02

CHK'D: NMANE02

REV APPR: MRAMAKRISHNA

2019/03/29

2019/06/18

2019/06/18

GENERAL TOLERANCES
(UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

± 0.2

±

1 PLACES

±

±

0 PLACES

±

±

ANGULAR TOL ± 3.0

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION UNITS

MM

SCALE

NTS

DRWN BY

DATE

GMENARLY

2015/09/29

CHK'D BY

DATE

CGOH

2015/10/30

APPR BY

DATE

KHLIM

2015/11/03

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

molex®

MILLIGRID, 2MM PITCH
SHROUDED HEADER R/A, THROUGH HOLE

PRODUCT CUSTOMER DRAWING

SERIES

87833

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

SD-87833-0001

DOC TYPE

PSD

DOC PART

001

SHEET NUMBER

9 OF 9