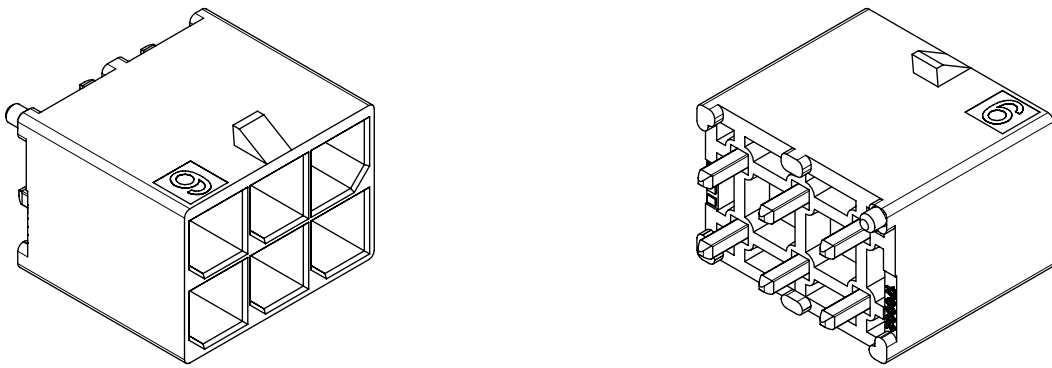
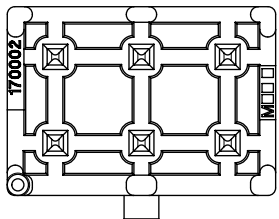
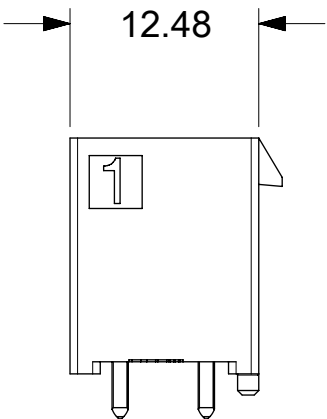
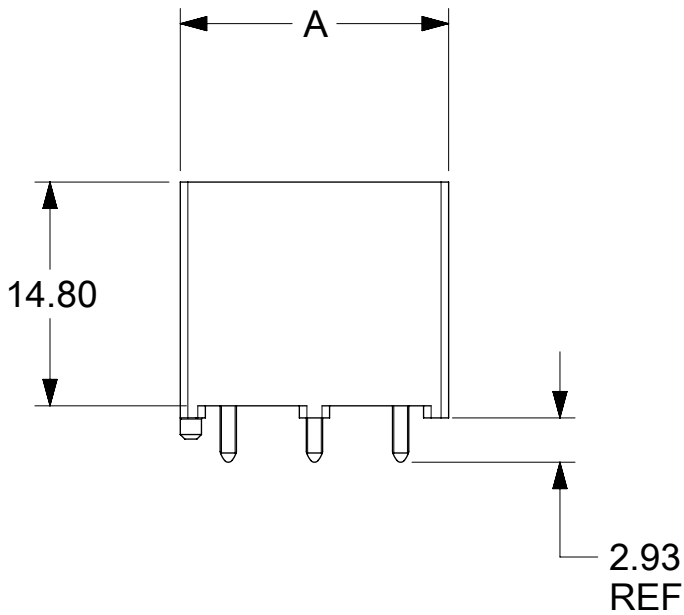
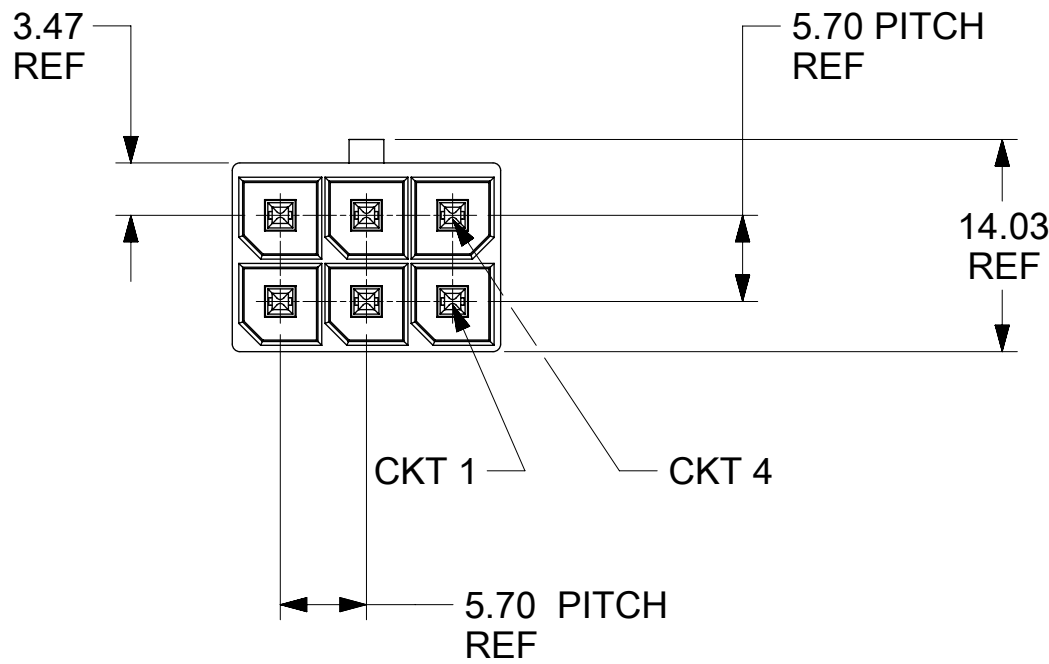
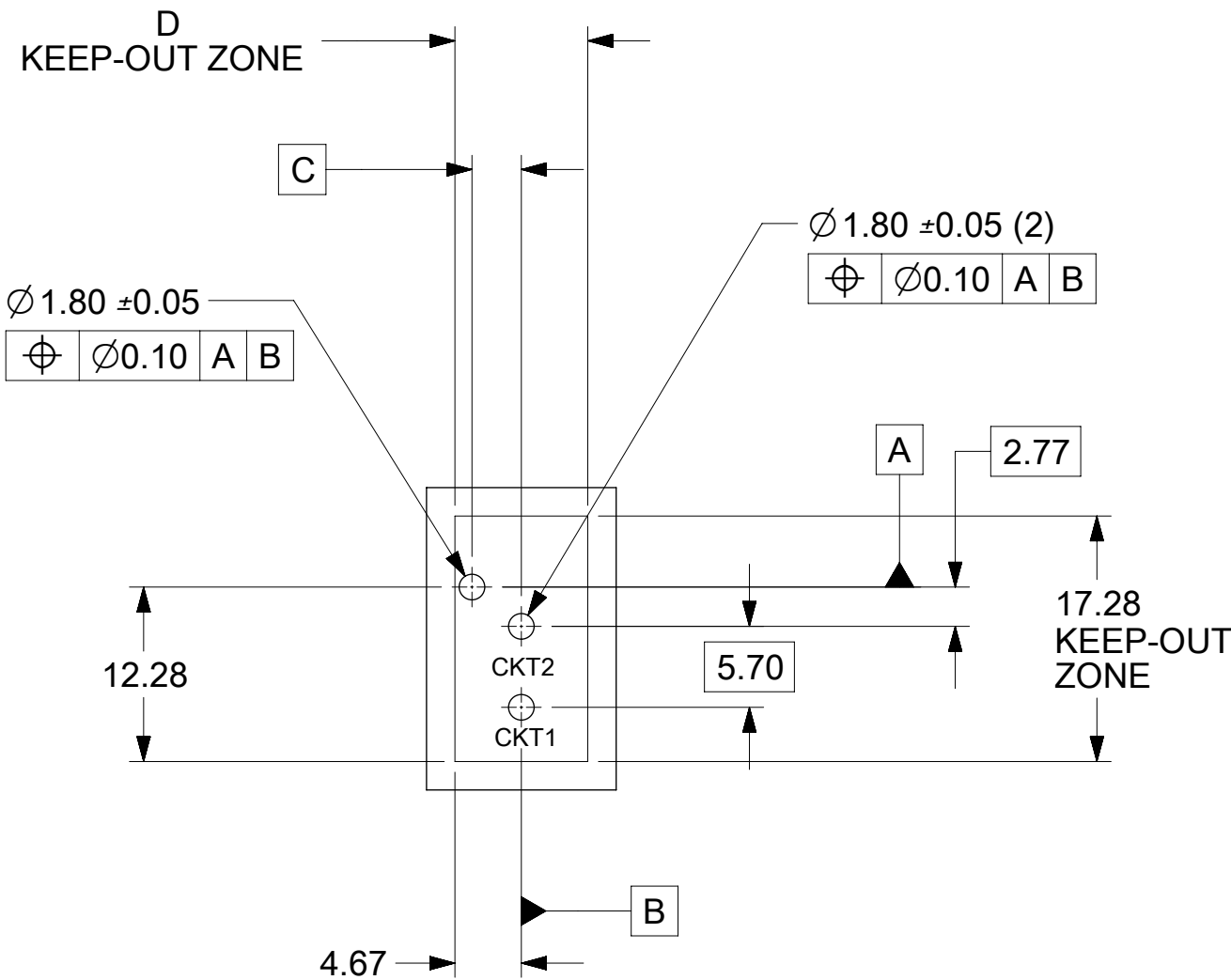
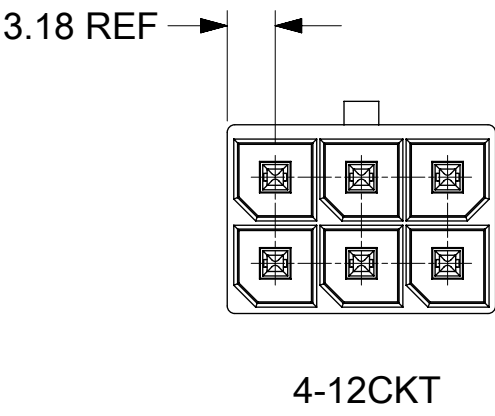
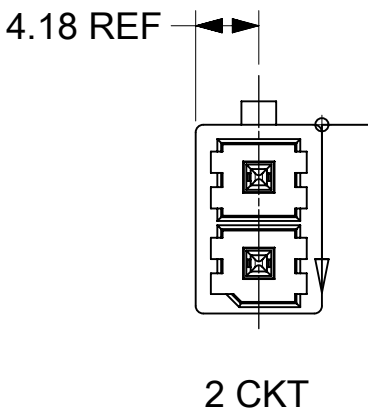




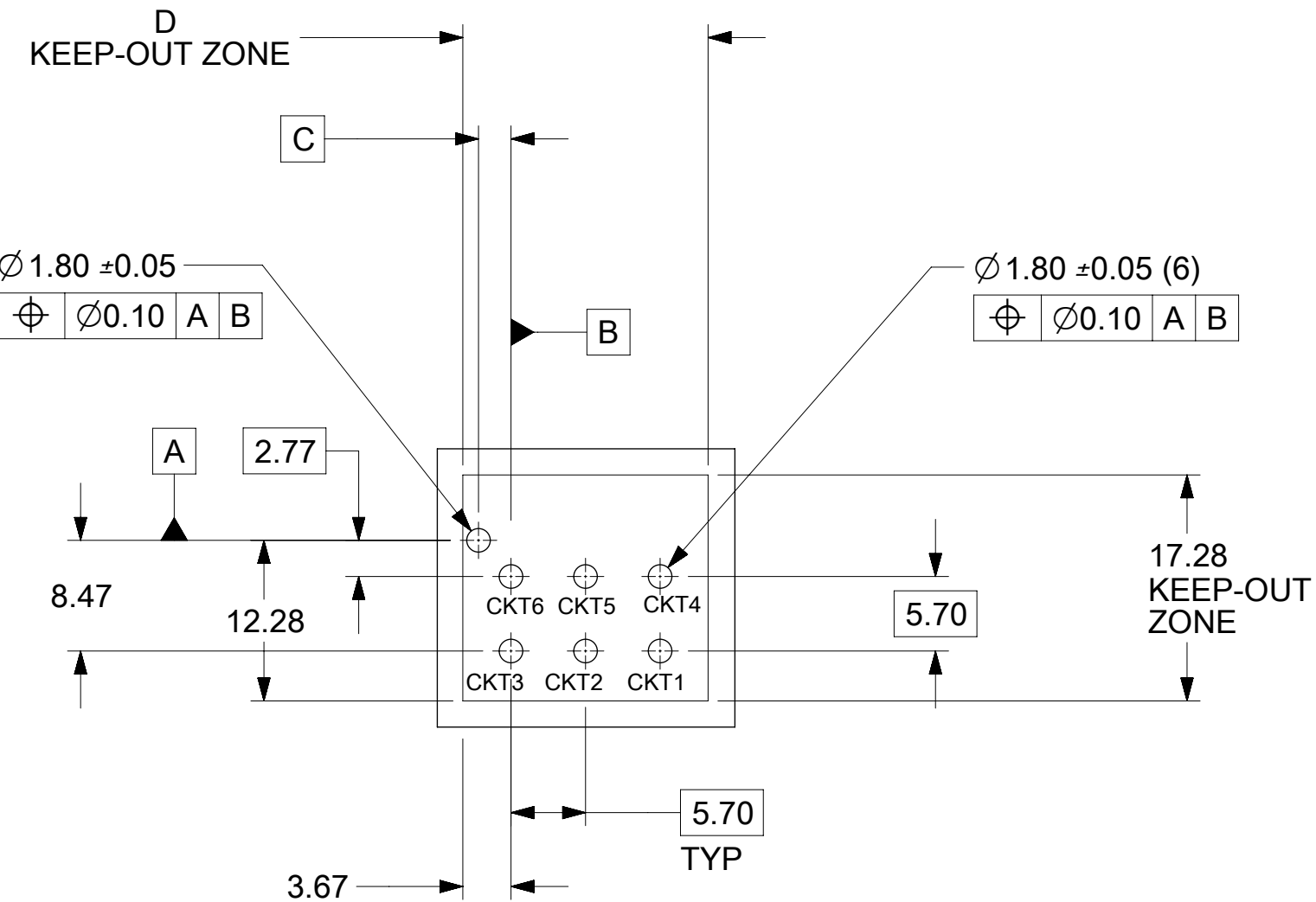
76829-0106 SHOWN

- NOTES:
- MATERIAL:
HOUSING: LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION, COLOR: SEE CHART.
TERMINAL: HIGH CONDUCTIVITY COPPER.
 - TERMINAL PLATING:
(TIN) 1.52 MICROMETER /(60 MICROINCH) MIN REFLOWED MATTE TIN OVER
1.27 MICROMETER /(50 MICROINCH) MIN NICKEL OVERALL.
(15 GOLD) 0.38 MICROMETER /(15 MICROINCH) MIN SELECT GOLD ON CONTACT AREA
2.54 MICROMETER /(100 MICROINCH) MIN SELECT MATTE TIN ON SOLDER AREA
BOTH OVER 1.27 MICROMETER /(50 MICROINCH) MIN NICKEL OVERALL
(30 GOLD) 0.76 MICROMETER /(30 MICROINCH) MIN SELECT GOLD ON CONTACT AREA
2.54 MICROMETER /(100 MICROINCH) MIN SELECT MATTE TIN ON SOLDER AREA
BOTH OVER 1.27 MICROMETER /(50 MICROINCH) MIN NICKEL OVERALL
 - PRODUCT SPECIFICATION:PS-76823-100/1720631000-PS
 - BLACK PART MATES WITH MOLEX PART NUMBER 170001 AND 171692 SERIES.
NON-BLACK PART MATES WITH MOLEX PART NUMBER 224983 SERIES.
 - PACKAGING SPECIFICATION:768291100 (TRAY) , 1720659206-PK (T & R), AND 1720658000 (T&R W/ KAPTON)
 - APPLICATION SPECIFICATION:AS-76823-100/ 768232000-AS
 - PARTS CONFORM TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

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:				molex MEGAFIT SLIM VERTICAL HEADER ASSY WITHOUT CRUSH PEGS 2-12 CKT				
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL		±	3.0 °	EC NO: 789500 DRWN: JERRYW8 2023/05/17 CHK'D: XQZHANG 2024/06/18 APPR: XQZHANG 2024/06/18				PRODUCT CUSTOMER DRAWING				
4 PLACES		±										
3 PLACES		±										
2 PLACES		±	0.4	INITIAL REVISION: DRWN: GSHARMA 2016/07/15 APPR: KPRASAD 2017/07/21				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
1 PLACE		±	0.5					768290002		PSD	000	B
0 PLACES		±										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
						C-SIZE	76829	SEE TABLE	GENERAL MARKET		1 OF 4	
DOCUMENT STATUS	P1	RELEASE DATE	2024/06/18 06:39:50									



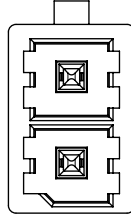
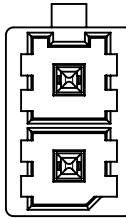
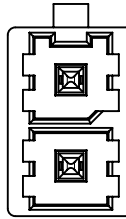
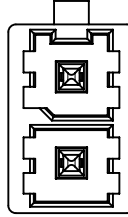
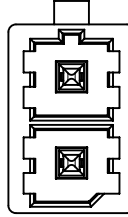
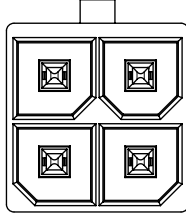
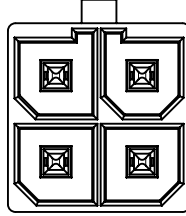
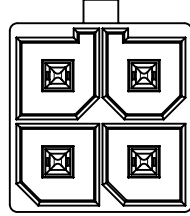
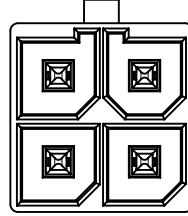
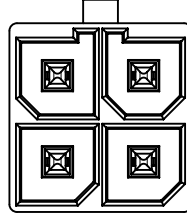
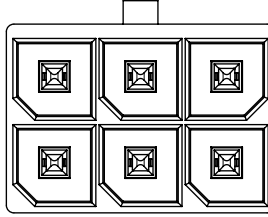
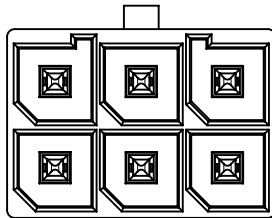
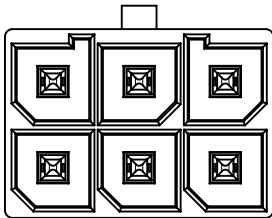
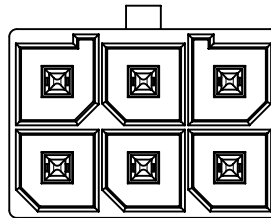
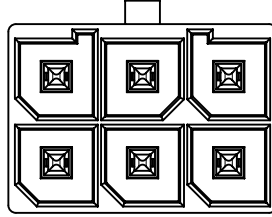
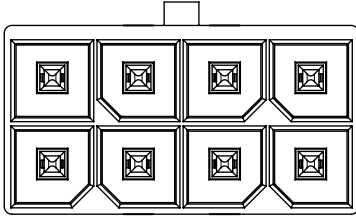
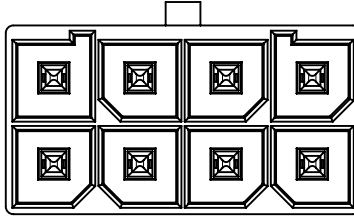
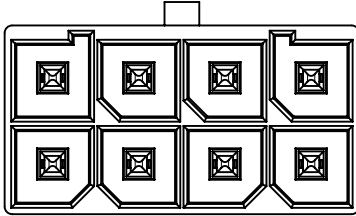
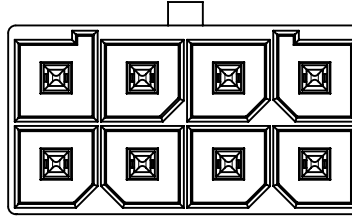
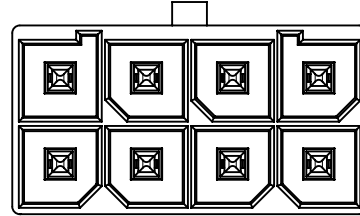
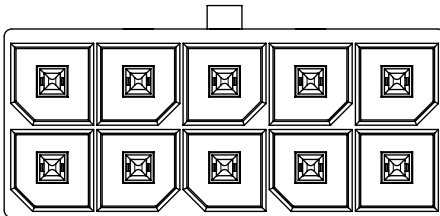
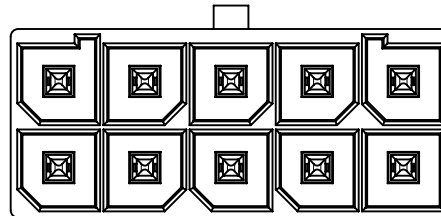
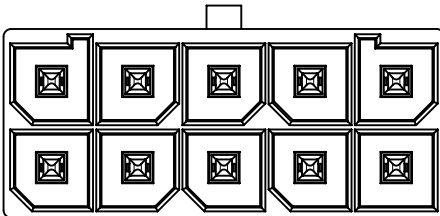
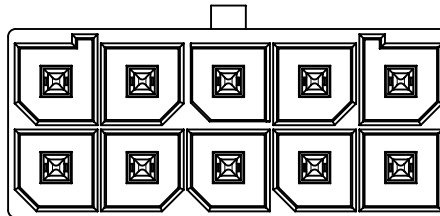
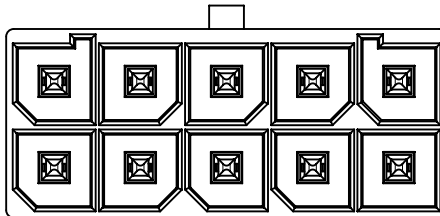
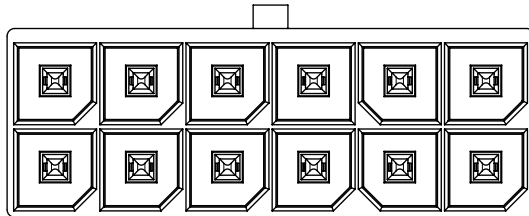
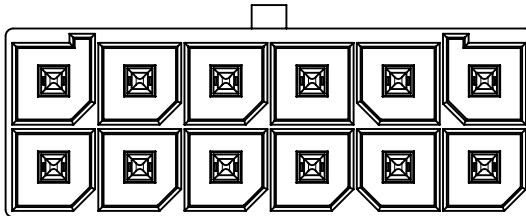
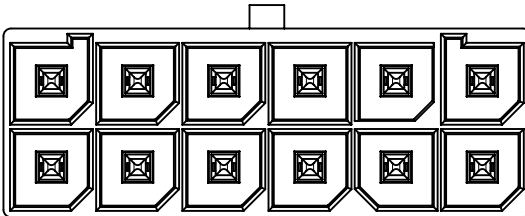
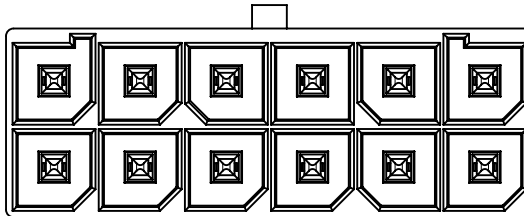
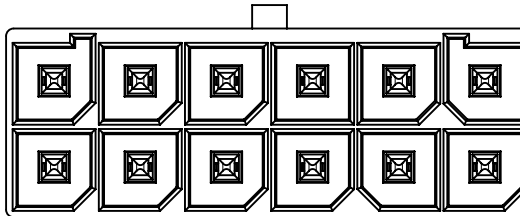
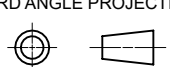
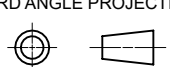
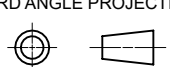
PCB LAYOUT: COMPONENT SIDE
RECOMENDED PCB THICKNESS: 1.58 MM/.062 INCH



PCB LAYOUT: COMPONENT SIDE
RECOMENDED PCB THICKNESS: 1.58 MM/.062 INCH

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex				
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 789500 DRWN: JERRYW8 2023/05/17 CHK'D: XQZHANG 2024/06/18 APPR: XQZHANG 2024/06/18 INITIAL REVISION: DRWN: GSHARMA 2016/07/15 APPR: KPRASAD 2017/07/21				MEGAFIT SLIM VERTICAL HEADER ASSY WITHOUT CRUSH PEGS 2-12 CKT				
ANGULAR TOL		±	3.0 °					PRODUCT CUSTOMER DRAWING				
4 PLACES		±						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
3 PLACES		±						768290002		PSD	000	B
2 PLACES		±	0.4									
1 PLACE		±	0.5									
0 PLACES		±										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER		
					C-SIZE	76829	SEE TABLE	GENERAL MARKET		2 OF 4		

DOCUMENT STATUS	P1	RELEASE DATE	2024/06/18	06:39:50
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	CKT	POLARIZATION-BALCK				POLARIZATION-NATURAL				POLARIZATION-RED				POLARIZATION-BLUE				POLARIZATION-YELLOW																																																																																																																																																																																											
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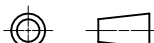
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	CKT SIZE	PART NO.	PLATING	DIM A	DIM C BASIC	DIM D	PK SPEC	HEADER COLOR	
	2	76829-0102	TIN	8.35	3.48	9.35	TRAY	BLACK	
	4	76829-0104	TIN	12.05	2.48	13.05			
	6	76829-0106	TIN	17.75	2.48	18.75			
	8	76829-0108	TIN	23.45	2.48	24.45			
	10	76829-0110	TIN	29.15	2.48	30.15			
	12	76829-0112	TIN	34.85	2.48	35.85			
	2	172065-0202	15 GOLD	8.35	3.48	9.35			
	4	172065-0204	15 GOLD	12.05	2.48	13.05			
	6	172065-0206	15 GOLD	17.75	2.48	18.75			
	8	172065-0208	15 GOLD	23.45	2.48	24.45			
	10	172065-0210	15 GOLD	29.15	2.48	30.15			
	12	172065-0212	15 GOLD	34.85	2.48	35.85			
	2	172065-0302	30 GOLD	8.35	3.48	9.35			
	4	172065-0304	30 GOLD	12.05	2.48	13.05			
	6	172065-0306	30 GOLD	17.75	2.48	18.75			
	8	172065-0308	30 GOLD	23.45	2.48	24.45			
	10	172065-0310	30 GOLD	29.15	2.48	30.15			
	12	172065-0312	30 GOLD	34.85	2.48	35.85			

	CKT SIZE	PART NO.	PLATING	DIM A	DIM C BASIC	DIM D	PK SPEC	HEADER COLOR
	2	172065-2102	TIN	8.35	3.48	9.35	TRAY	NATURAL
	4	172065-2104		12.05	2.48	13.05		
	6	172065-2106		17.75	2.48	18.75		
	8	172065-2108		23.45	2.48	24.45		
	10	172065-2110		29.15	2.48	30.15		
	12	172065-2112		34.85	2.48	35.85		
	2	172065-3102		8.35	3.48	9.35		RED
	4	172065-3104		12.05	2.48	13.05		
	6	172065-3106		17.75	2.48	18.75		
	8	172065-3108		23.45	2.48	24.45		
	10	172065-3110		29.15	2.48	30.15		
	12	172065-3112		34.85	2.48	35.85		
	2	172065-4102		8.35	3.48	9.35		BLUE
	4	172065-4104		12.05	2.48	13.05		
	6	172065-4106		17.75	2.48	18.75		
	8	172065-4108		23.45	2.48	24.45		
	10	172065-4110		29.15	2.48	30.15		
	12	172065-4112		34.85	2.48	35.85		
	2	172065-5102		8.35	3.48	9.35		YELLOW
	4	172065-5104		12.05	2.48	13.05		
	6	172065-5106		17.75	2.48	18.75		
	8	172065-5108		23.45	2.48	24.45		
	10	172065-5110		29.15	2.48	30.15		
	12	172065-5112		34.85	2.48	35.85		

	CKT SIZE	PART NO.	PLATING	DIM A	DIM C BASIC	DIM D	PK SPEC	HEADER COLOR
*	2	76829-9102	TIN	8.35	3.48	9.35	TAPE&REEL WITHOUT KAPTON	BLACK
*	4	76829-9104	TIN	12.05	2.48	13.05		
*	6	76829-9106	TIN	17.75	2.48	18.75		
*	8	76829-9108	TIN	23.45	2.48	24.45		
*	10	76829-9110	TIN	29.15	2.48	30.15		
*	12	76829-9112	TIN	34.85	2.48	35.85		
*	2	172065-9202	15 GOLD	8.35	3.48	9.35		
*	4	172065-9204	15 GOLD	12.05	2.48	13.05		
	6	172065-9206	15 GOLD	17.75	2.48	18.75		
*	8	172065-9208	15 GOLD	23.45	2.48	24.45		
*	10	172065-9210	15 GOLD	29.15	2.48	30.15		
	12	172065-9212	15 GOLD	34.85	2.48	35.85		
*	2	172065-9302	30 GOLD	8.35	3.48	9.35		
*	4	172065-9304	30 GOLD	12.05	2.48	13.05		
*	6	172065-9306	30 GOLD	17.75	2.48	18.75		
*	8	172065-9308	30 GOLD	23.45	2.48	24.45		
*	10	172065-9310	30 GOLD	29.15	2.48	30.15		
	12	172065-9312	30 GOLD	34.85	2.48	35.85		

	CKT SIZE	PART NO.	PLATING	DIM A	DIM C BASIC	DIM D	PK SPEC	HEADER COLOR
*	2	76829-8102	TIN	8.35	3.48	9.35	TAPE&REEL WITH KAPTON	BLACK
*	4	76829-8104	TIN	12.05	2.48	13.05		
*	6	76829-8106	TIN	17.75	2.48	18.75		
	8	76829-8108	TIN	23.45	2.48	24.45		
	10	76829-8110	TIN	29.15	2.48	30.15		
	12	76829-8112	TIN	34.85	2.48	35.85		
*	2	172065-8202	15 GOLD	8.35	3.48	9.35		
*	4	172065-8204	15 GOLD	12.05	2.48	13.05		
*	6	172065-8206	15 GOLD	17.75	2.48	18.75		
	8	172065-8208	15 GOLD	23.45	2.48	24.45		
	10	172065-8210	15 GOLD	29.15	2.48	30.15		
	12	172065-8212	15 GOLD	34.85	2.48	35.85		
*	2	172065-8302	30 GOLD	8.35	3.48	9.35		
*	4	172065-8304	30 GOLD	12.05	2.48	13.05		
*	6	172065-8306	30 GOLD	17.75	2.48	18.75		
	8	172065-8308	30 GOLD	23.45	2.48	24.45		
	10	172065-8310	30 GOLD	29.15	2.48	30.15		
	12	172065-8312	30 GOLD	34.85	2.48	35.85		

* DESIGNATES PART NOT RELEASED
CONTACT FACTORY FOR AVAILABILITY.

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: EC NO: 789500 DRWN: JERRYW82023/05/17 CHK'D: XQZHANG2024/06/18 APPR: XQZHANG2024/06/18 INITIAL REVISION: DRWN: GSHARMA2016/07/15 APPR: KPRASAD2017/07/21			molex					
mm		NTS					MEGAFIT SLIM VERTICAL HEADER ASSY WITHOUT CRUSH PEGS 2-12 CKT					
GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL ± 3.0°												
4 PLACES ±												
3 PLACES ±												
2 PLACES ± 0.4												
1 PLACE ± 0.5												
0 PLACES ±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 76829		DOCUMENT NUMBER 768290002		DOC TYPE PSD	DOC PART 000	REVISION B
								MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 4 OF 4

FORMAT: master 2d-prod C REVISION: 21 DATE: 20210901											
12	11	10	9	8	7	6	5	4	3	2	1