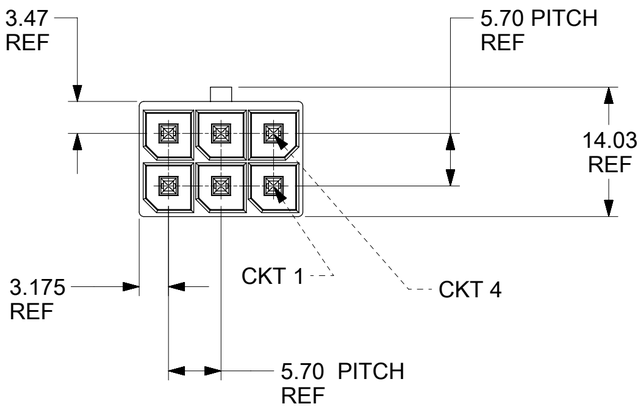
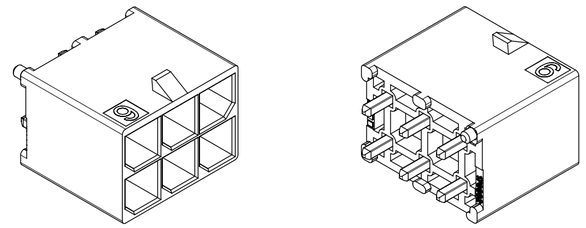
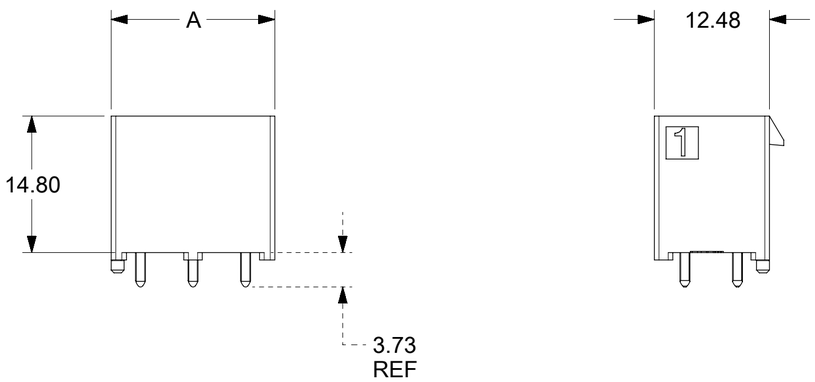
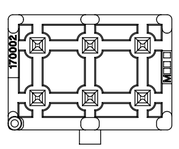




76829-0106 SHOWN





NOTES:

1. MATERIAL:
   HOUSING: LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION, COLOR: BLACK.
   TERMINAL: HIGH CONDUCTIVITY COPPER.
2. 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
3. PRODUCT SPECIFICATION:PS-76823-100.
4. PART MATES WITH MOLEX PART NUMBER 170001 AND 171692 SERIES.
5. PACKAGING SPECIFICATION:768291100 (TRAY) AND 1720659206-PK (T & R)
6. APPLICATION SPECIFICATION:AS-76823-100
7. 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

SYMBOLS	DIMENSION UNITS	SCALE
= 0	mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	0.5 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.25
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: TOOL PN:172065-9206

EC NO: 624030
DRWN: GJEEVANSURES 2019/08/22
CHK'D: GJEEVANSURES 2019/09/13
APPR: ISHWARG 2019/09/13

INITIAL REVISION:
DRWN: GSHARMA 2016/07/15
APPR: KPRASAD 2017/07/21

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 76829

molex

MEGAFIT SLIM VERTICAL HEADER ASSY
WITHOUT CRUSH PEGS 2-12 CKT

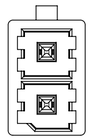
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
768290002	PSD	000	A2

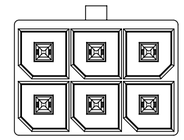
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/13 07:04:06

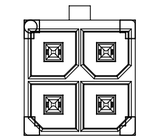
FORMAT: master-tb-prod-C
REVISION: H
DATE: 2018/01/18



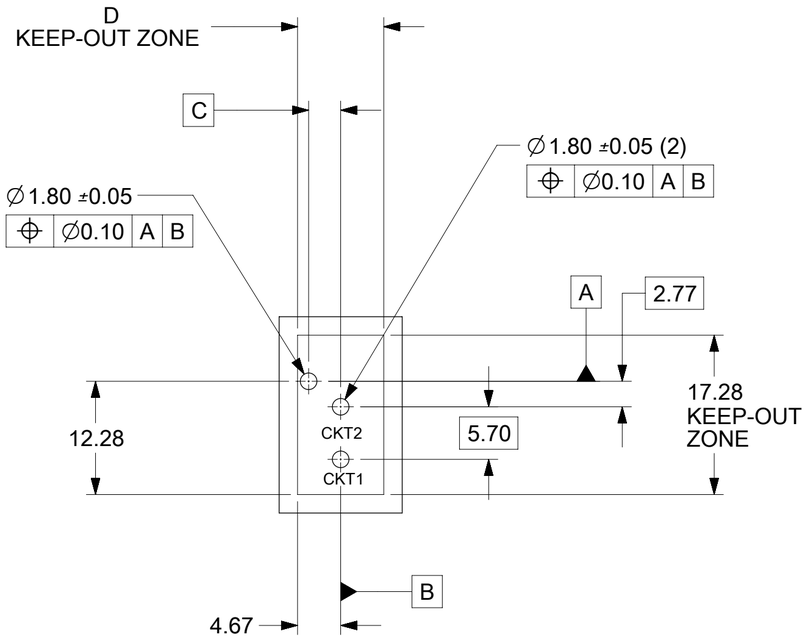
2 CKT



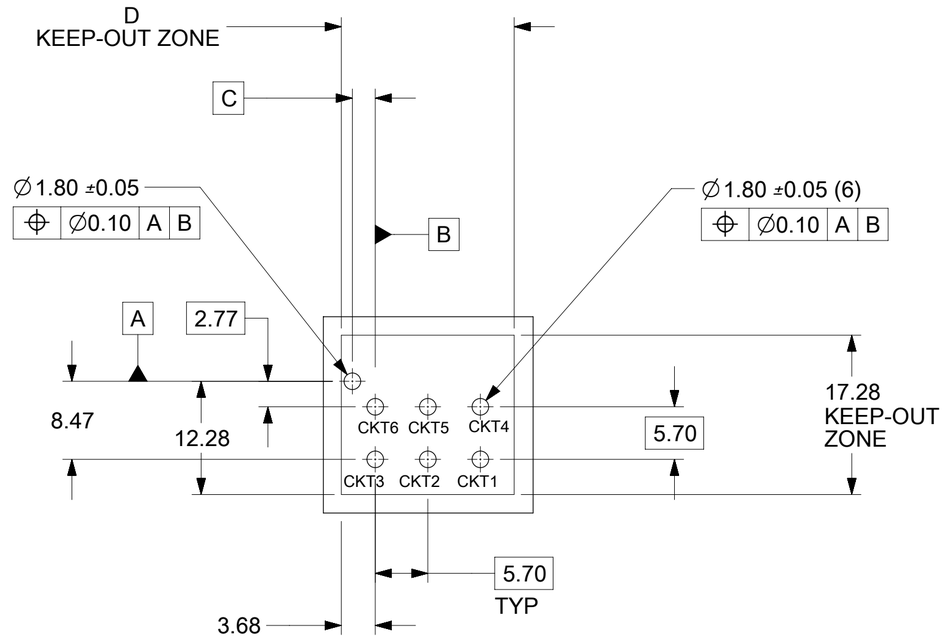
4-12 CKT



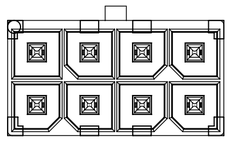
4 CKT



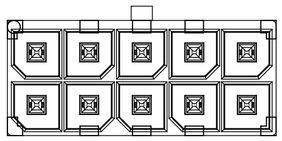
PCB LAYOUT: COMPONENT SIDE
RECOMENDED PCB THICKNESS: 1.58 MM/.062 INCH



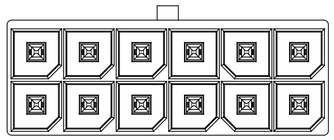
PCB LAYOUT: COMPONENT SIDE
RECOMENDED PCB THICKNESS: 1.58 MM/.062 INCH



8 CKT



10 CKT



12 CKT

QUALITY SYMBOLS	
E =	0
E =	0
D =	0
▼ =	0
C =	0
☒ =	0
■ =	0
V =	0

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

TOOL PN: 172065-9206
EC NO: 624030 2019/08/22
DRWN: GJEEVANSURES 2019/09/13
CHK'D: GJEEVANSURES 2019/09/13
APPR: ISHWARG

A2 REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	0.5	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.25
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	mm
SCALE	2:1
DRWN BY	GSHARMA
DATE	2016/07/15
CHK'D BY	SS06
DATE	2016/08/16
APPR BY	KPRASAD
DATE	2017/07/21
DRAWING SIZE	C
THIRD ANGLE PROJECTION	

molex®

MEGAFIT SLIM VERTICAL HEADER ASSY
WITHOUT CRUSH PEGS 2-12 CKT

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
76829	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
768290002	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	2019/09/13 07:04:06

FORMAT: master-tb-prod-C
REVISION: G
DATE: 2015/12/14

	CKT SIZE	PART NO.	PLATING	DIM A	DIM C BASIC	DIM D	PK SPEC
	2	76829-0102	TIN	8.35	3.48	9.35	TRAY
	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
*	2	76829-9102	TIN	8.35	3.48	9.35	TAPE&REEL WITHOUT KAPTON
*	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	
A2	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
*	2	76829-8102	TIN	8.35	3.48	9.35	TAPE&REEL WITH KAPTON
*	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.

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/13 07:04:06

SYMBOLS: EA = 0; EC = 0; EP = 0; S = 0; = 0; C = 0; = 0; = 0; V = 0

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

DIMENSION UNITS: mm
SCALE: 2:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 0.5 °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.25
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: TOOL PN:172065-9206

EC NO: 624030
DRWN: GJEEVANSURES 2019/08/22
CHK'D: GJEEVANSURES 2019/09/13
APPR: ISHWARG 2019/09/13

INITIAL REVISION:
DRWN: GSHARMA 2016/07/15
APPR: KPRASAD 2017/07/21

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 76829

molex

MEGAFIT SLIM VERTICAL HEADER ASSY
WITHOUT CRUSH PEGS 2-12 CKT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
768290002	PSD	000	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 3

FORMAT: master-tb-prod-C
REVISION: H
DATE: 2018/01/18