

9 8 7 6 5 4 3 2 1

CKTS	DIM A	DIM B
2	.200/5.08	.100/2.54
3	.300/7.62	.200/5.08
4	.400/10.16	.300/7.62
5	.500/12.70	.400/10.16
6	.600/15.24	.500/12.70
7	.700/17.78	.600/15.24
8	.800/20.32	.700/17.78
9	.900/22.86	.800/20.32
10	1.000/25.40	.900/22.86
11	1.100/27.94	1.000/25.40
12	1.200/30.48	1.100/27.94
13	1.300/33.02	1.200/30.48
14	1.400/35.56	1.300/33.02
15	1.500/38.10	1.400/35.56
16	1.600/40.64	1.500/38.10
17	1.700/43.18	1.600/40.64
18	1.800/45.72	1.700/43.18
19	1.900/48.26	1.800/45.72
20	2.000/50.80	1.900/48.26
21	2.100/53.34	2.000/50.80
22	2.200/55.88	2.100/53.34
23	2.300/58.42	2.200/55.88
24	2.400/60.96	2.300/58.42
25	2.500/63.50	2.400/60.96
26	2.600/66.04	2.500/63.50
27	2.700/68.58	2.600/66.04
28	2.800/71.12	2.700/68.58
29	2.900/73.66	2.800/71.12
30	3.000/76.20	2.900/73.66
31	3.100/78.74	3.000/76.20
32	3.200/81.28	3.100/78.74
33	3.300/83.82	3.200/81.28
34	3.400/86.36	3.300/83.82
35	3.500/88.90	3.400/86.36
36	3.600/91.44	3.500/88.90

DETAIL X
SCALE 5:1
SEE NOTE 11

DETAIL Y
SCALE 5:1
SEE NOTE 11

DETAIL Z
SCALE 5:1

SEE NOTE 9

SEE NOTE 12

REMOVED BACKWALLS OPTION
SEE NOTE 12

RECOMMENDED PC BOARD LAYOUT

KINKED PIN OPTION
SEE NOTE 5

NOTES:

- MATERIAL: GLASS FILLED NYLON, 94V-0, COLOR: BLACK
- FINISH:
 - (154) OVERALL TIN: .000100/0.00254 MIN, OVER .000050/0.00127 MIN NICKEL.
 - (208) SELECT GOLD: .000015/0.00038 MIN, SELECT TIN: .000100/0.00254 MIN, OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
 - (228) SELECT GOLD: .000030/0.00076 MIN, SELECT TIN: .000100/0.00254 MIN, OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
- PRODUCT SPECIFICATION: PS-10-07
- PACKAGING INFORMATION: SEE TABLES
- KINK PIN OPTION NOT RECOMMENDED FOR 2 CIRCUIT PARTS. HOLE SIZE MAY NEED TO BE ADJUSTED ON 2 CIRCUIT PARTS WITH KINK OPTION FOR PROPER INSERTION INTO THE PCB. SEE SMES-42003 FOR ADDITIONAL INFORMATION ON KINK PIN DIRECTION AND PLACEMENT.
- HEADERS ARE NOT STACKABLE ON .100/2.54 CENTERS.
- SOLDERABILITY PER SMES-152.
- PIN PUSH OUT FORCE: 3 LBS. MIN.
- ABRASION MARKS ON BACK WALL SURFACE ARE PERMISSIBLE.
- PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
- PIN TIP DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. DIMENSIONS APPLY PRIOR TO PLATING OR ASSEMBLY.
- FIRST AND LAST CIRCUIT BACKWALLS MUST BE REMOVED WHEN MATING TO A PART WITH POLARIZING RIBS.
- TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.

SYMBOLS

SYMBOLS	DIMENSION UNITS	SCALE
$\nabla = 0$	IN/MM	2:1
$\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	
$\nabla = 0$	MM	INCH
$\nabla = 0$	4 PLACES	$\pm$
$\nabla = 0$	3 PLACES	$\pm$ 0.01
$\nabla = 0$	2 PLACES	$\pm$ 0.25 $\pm$ 0.014
$\nabla = 0$	1 PLACE	$\pm$ 0.36 $\pm$
$\nabla = 0$	0 PLACES	$\pm$
$\nabla = 0$	ANGULAR TOL	$\pm$ 0.5 °
$\nabla = 0$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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

CURRENT REV DESC: ADDED NEW P/N

EC NO: 617300
DRWN: SS06
CHK'D: ISHWARG
APPR: ISHWARG

2019/05/14
2019/05/20
2019/05/20

INITIAL REVISION:
DRWN: JSCHAFER
APPR: MARGULIS

2004/03/18
2004/03/18

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

B-SIZE

42228

SEE CHART

GENERAL MARKET

1 OF 5

DOCUMENT STATUS

P1

RELEASE DATE

2019/05/20

06:20:16

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42228-0212/0246					
HEADER NUMBER:		41411			
PIN NUMBER:		154			
PIN LENGTH: L		.705/17.91			
MATING LENGTH: M		.295/7.49			
GOLD POINT: G		N/A			
PC TAIL LENGTH: P		.120/3.05			
TIN: T		OVERALL			
DIMENSION Y		.022/0.56			
CKTS:		2-36			
KINKS:		NO			
REMOVED BACKWALLS:		NO			
VOIDED CKTS:		NONE			
PACKAGING:		TAPE AND REEL, 422281000-PK			
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20		
03	42228-0213	42228-0213	21		
04			22		
05			23		
06			24		
07			25		
08			26		
09			27		
10			28		
11			29		
12			30		
13			31		
14			32		
15			33		
16			34		
17			35		
18			36		
19					

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ☒ = 0 ■ = 0 ▽ = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED NEW P/N				molex		
	IN/MM		1:1								
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 617300 DRWN: SS06 2019/05/14 CHK'D: ISHWARG 2019/05/20 APPR: ISHWARG 2019/05/20				.100 FRICTION LOCK BREAKAWAY HEADER ASSY		
		MM	INCH								
	4 PLACES ±		±								
	3 PLACES ±		± 0.01								
		2 PLACES ±	0.25	± 0.014					PRODUCT CUSTOMER DRAWING		
		1 PLACE ±	0.36	±							
		0 PLACES ±		±	INITIAL REVISION: DRWN: JSCHAFER 2004/03/18 APPR: MARGULIS 2004/03/18				DOCUMENT NUMBER		
	ANGULAR TOL ± 0.5 °				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						B-SIZE	42228	SEE CHART	GENERAL MARKET	5 OF 5	

DOCUMENT STATUS	P1	RELEASE DATE	2019/05/20	06:20:16
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