

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 $\pm$	$\pm$
$\nabla = 0$	3 PLACES $\pm$	$\pm$ 0.01
$\nabla = 0$	2 PLACES $\pm$	$\pm$ 0.25 $\pm$ 0.014
$\nabla = 0$	1 PLACE $\pm$	$\pm$ 0.36 $\pm$
$\nabla = 0$	0 PLACES $\pm$	$\pm$
$\nabla = 0$	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

SD-42228-001

PSD

001

L9

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

06:20:16

2019/05/20

RELEASE DATE

P1

DOCUMENT STATUS

9 8 7 6 5 4 3 2 1

E

D

C

B

A

987654321

A-42228-0002/0036					
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:		BULK, PER PK-40873-0056			
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-1020	A-42228-0002	20	22-28-1200	A-42228-0020
03	22-28-1030	A-42228-0003	21	22-28-1210	A-42228-0021
04	22-28-1040	A-42228-0004	22	22-28-1220	A-42228-0022
05	22-28-1050	A-42228-0005	23	22-28-1230	A-42228-0023
06	22-28-1060	A-42228-0006	24	22-28-1240	A-42228-0024
07	22-28-1070	A-42228-0007	25	22-28-1250	A-42228-0025
08	22-28-1080	A-42228-0008	26	22-28-1260	A-42228-0026
09	22-28-1090	A-42228-0009	27	22-28-1270	A-42228-0027
10	22-28-1100	A-42228-0010	28	22-28-1280	A-42228-0028
11	22-28-1110	A-42228-0011	29	22-28-1290	A-42228-0029
12	22-28-1120	A-42228-0012	30	22-28-1300	A-42228-0030
13	22-28-1130	A-42228-0013	31	22-28-1310	A-42228-0031
14	22-28-1140	A-42228-0014	32	22-28-1320	A-42228-0032
15	22-28-1150	A-42228-0015	33	22-28-1330	A-42228-0033
16	22-28-1160	A-42228-0016	34	22-28-1340	A-42228-0034
17	22-28-1170	A-42228-0017	35	22-28-1350	A-42228-0035
18	22-28-1180	A-42228-0018	36	22-28-1360	A-42228-0036
19	22-28-1190	A-42228-0019			

A-42228-0037/0071					
HEADER NUMBER:		41411			
PIN NUMBER:		208			
PIN LENGTH: L		.705/17.91			
MATING LENGTH: M		.295/7.49			
GOLD POINT: G		.140/3.56			
PC TAIL LENGTH: P		.120/3.05			
TIN: T		.135/3.43			
DIMENSION Y		.022/0.56			
CKTS:		2-36			
KINKS:		NO			
REMOVED BACKWALLS:		NO			
VOIDED CKTS:		NONE			
PACKAGING:		BULK, PER PK-40873-0056			
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-1021	A-42228-0037	20	22-28-1201	A-42228-0055
03	22-28-1031	A-42228-0038	21	22-28-1211	A-42228-0056
04	22-28-1041	A-42228-0039	22	22-28-1221	A-42228-0057
05	22-28-1051	A-42228-0040	23	22-28-1231	A-42228-0058
06	22-28-1061	A-42228-0041	24	22-28-1241	A-42228-0059
07	22-28-1071	A-42228-0042	25	22-28-1251	A-42228-0060
08	22-28-1081	A-42228-0043	26	22-28-1261	A-42228-0061
09	22-28-1091	A-42228-0044	27	22-28-1271	A-42228-0062
10	22-28-1101	A-42228-0045	28	22-28-1281	A-42228-0063
11	22-28-1111	A-42228-0046	29	22-28-1291	A-42228-0064
12	22-28-1121	A-42228-0047	30	22-28-1301	A-42228-0065
13	22-28-1131	A-42228-0048	31	22-28-1311	A-42228-0066
14	22-28-1141	A-42228-0049	32	22-28-1321	A-42228-0067
15	22-28-1151	A-42228-0050	33	22-28-1332	A-42228-0068
16	22-28-1161	A-42228-0051	34	22-28-1341	A-42228-0069
17	22-28-1171	A-42228-0052	35	22-28-1351	A-42228-0070
18	22-28-1181	A-42228-0053	36	22-28-1361	A-42228-0071
19	22-28-1191	A-42228-0054			

987654321

A-42228-0002/0036					
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			

E

D

C

B

A

987654321

A-42228-0002/0036					
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:		BULK, PER PK-40873-0056			
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-1020	A-42228-0002	20	22-28-1200	A-42228-0020
03	22-28-1030	A-42228-0003	21	22-28-1210	A-42228-0021
04	22-28-1040	A-42228-0004	22	22-28-1220	A-42228-0022
05	22-28-1050	A-42228-0005	23	22-28-1230	A-42228-0023
06	22-28-1060	A-42228-0006	24	22-28-1240	A-42228-0024
07	22-28-1070	A-42228-0007	25	22-28-1250	A-42228-0025
08	22-28-1080	A-42228-0008	26	22-28-1260	A-42228-0026
09	22-28-1090	A-42228-0009	27	22-28-1270	A-42228-0027
10	22-28-1100	A-42228-0010	28	22-28-1280	A-42228-0028
11	22-28-1110	A-42228-0011	29	22-28-1290	A-42228-0029
12	22-28-1120	A-42228-0012	30	22-28-1300	A-42228-0030
13	22-28-1130	A-42228-0013	31	22-28-1310	A-42228-0031
14	22-28-1140	A-42228-0014	32	22-28-1320	A-42228-0032
15	22-28-1150	A-42228-0015	33	22-28-1330	A-42228-0033
16	22-28-1160	A-42228-0016	34	22-28-1340	A-42228-0034
17	22-28-1170	A-42228-0017	35	22-28-1350	A-42228-0035
18	22-28-1180	A-42228-0018	36	22-28-1360	A-42228-0036
19	22-28-1190	A-42228-0019			

A-42228-0037/0071					
HEADER NUMBER:		41411			
PIN NUMBER:		208			
PIN LENGTH: L		.705/17.91			
MATING LENGTH: M		.295/7.49			
GOLD POINT: G		.140/3.56			
PC TAIL LENGTH: P		.120/3.05			
TIN: T		.135/3.43			
DIMENSION Y		.022/0.56			
CKTS:		2-36			
KINKS:		NO			
REMOVED BACKWALLS:		NO			
VOIDED CKTS:		NONE			
PACKAGING:		BULK, PER PK-40873-0056			
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-1021	A-42228-0037	20	22-28-1201	A-42228-0055
03	22-28-1031	A-42228-0038	21	22-28-1211	A-42228-0056
04	22-28-1041	A-42228-0039	22	22-28-1221	A-42228-0057
05	22-28-1051	A-42228-0040	23	22-28-1231	A-42228-0058
06	22-28-1061	A-42228-0041	24	22-28-1241	A-42228-0059
07	22-28-1071	A-42228-0042	25	22-28-1251	A-42228-0060
08	22-28-1081	A-42228-0043	26	22-28-1261	A-42228-0061
09	22-28-1091	A-42228-0044	27	22-28-1271	A-42228-0062
10	22-28-1101	A-42228-0045	28	22-28-1281	A-42228-0063
11	22-28-1111	A-42228-0046	29	22-28-1291	A-42228-0064
12	22-28-1121	A-42228-0047	30	22-28-1301	A-42228-0065
13	22-28-1131	A-42228-0048	31	22-28-1311	A-42228-0066
14	22-28-1141	A-42228-0049	32	22-28-1321	A-42228-0067
15	22-28-1151	A-42228-0050	33	22-28-1332	A-42228-0068
16	22-28-1161	A-42228-0051	34	22-28-1341	A-42228-0069
17	22-28-1171	A-42228-0052	35	22-28-1351	A-42228-0070
18	22-28-1181	A-42228-0053	36	22-28-1361	A-42228-0071
19	22-28-1191	A-42228-0054			

987654321

A-42228-0002/0036					
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			

E

D

C

B

A

987654321

A-42228-0002/0036					
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:		BULK, PER PK-40873-0056			
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-1020	A-42228-0002	20	22-28-1200	A-42228-0020
03	22-28-1030	A-42228-0003	21	22-28-1210	A-42228-0021
04	22-28-1040	A-42228-0004	22	22-28-1220	A-42228-0022
05	22-28-1050	A-42228-0005	23	22-28-1230	A-42228-0023
06	22-28-1060	A-42228-0006	24	22-28-1240	A-42228-0024
07	22-28-1070	A-42228-0007	25	22-28-1250	A-42228-0025
08	22-28-1080	A-42228-0008	26	22-28-1260	A-42228-0026
09	22-28-1090	A-42228-0009	27	22-28-1270	A-42228-0027
10	22-28-1100	A-42228-0010	28	22-28-1280	A-42228-0028
11	22-28-1110	A-42228-0011	29	22-28-1290	A-42228-0029
12	22-28-1120	A-42228-0012	30	22-28-1300	A-42228-0030
13	22-28-1130	A-42228-0013	31	22-28-1310	A-42228-0031
14	22-28-1140	A-42228-0014	32	22-28-1320	A-42228-0032
15	22-28-1150	A-42228-0015	33	22-28-1330	A-42228-0033
16	22-28-1160	A-42228-0016	34	22-28-1340	A-42228-0034
17	22-28-1170	A-42228-0017	35	22-28-1350	A-42228-0035
18	22-28-1180	A-42228-0018	36	22-28-1360	A-42228-0036
19	22-28-1190	A-42228-0019			

A-42228-0037/0071					
HEADER NUMBER:		41411			
PIN NUMBER:		208			
PIN LENGTH: L		.705/17.91			
MATING LENGTH: M		.295/7.49			
GOLD POINT: G		.140/3.56			
PC TAIL LENGTH: P		.120/3.05			
TIN: T		.135/3.43			
DIMENSION Y		.022/0.56			
CKTS:		2-36			
KINKS:		NO			
REMOVED BACKWALLS:		NO			
VOIDED CKTS:		NONE			
PACKAGING:		BULK, PER PK-40873-0056			
CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02	22-28-1021	A-42228-0037	20	22-28-1201	A-42228-0055
03	22-28-1031	A-42228-0038	21	22-28-1211	A-42228-0056
04	22-28-1041	A-42228-0039	22	22-28-1221	A-42228-0057
05	22-28-1051	A-42228-0040	23	22-28-1231	A-42228-0058
06	22-28-1061	A-42228-0041	24	22-28-1241	A-42228-0059
07	22-28-1071	A-42228-0042	25	22-28-1251	A-42228-0060
08	22-28-1081	A-42228-0043	26	22-28-1261	A-42228-0061
09	22-28-1091	A-42228-0044	27	22-28-1271	A-42228-0062
10	22-28-1101	A-42228-0045	28	22-28-1281	A-42228-0063
11	22-28-1111	A-42228-0046	29	22-28-1291	A-42228-0064
12	22-28-1121	A-42228-0047	30	22-28-1301	A-42228-0065
13	22-28-1131	A-42228-0048	31	22-28-1311	A-42228-0066
14	22-28-1141	A-42228-0049	32	22-28-1321	A-42228-0067
15	22-28-1151	A-42228-0050	33	22-28-1332	A-42228-0068
16	22-28-1161	A-42228-0051	34	22-28-1341	A-42228-0069
17	22-28-1171	A-42228-0052	35	22-28-1351	A-42228-0070
18	22-28-1181	A-42228-0053	36	22-28-1361	A-42228-0071
19	22-28-1191	A-42228-0054			

987654321

A-42228-0002/0036					
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			

E

D

C

B

A

987654321

A-42					
------	--	--	--	--	--





[illegible]