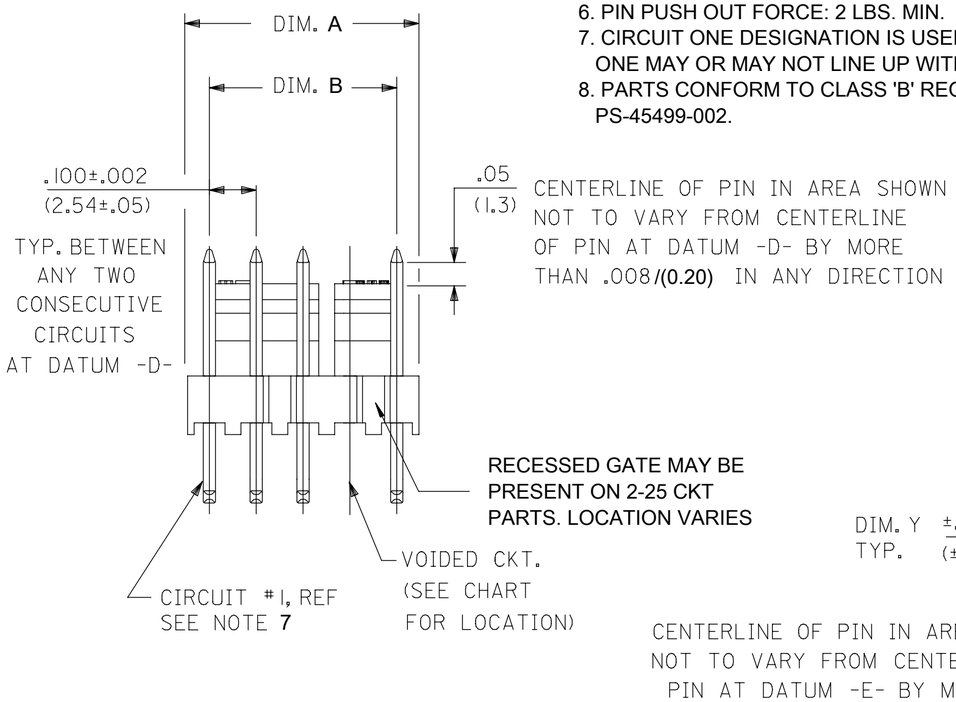
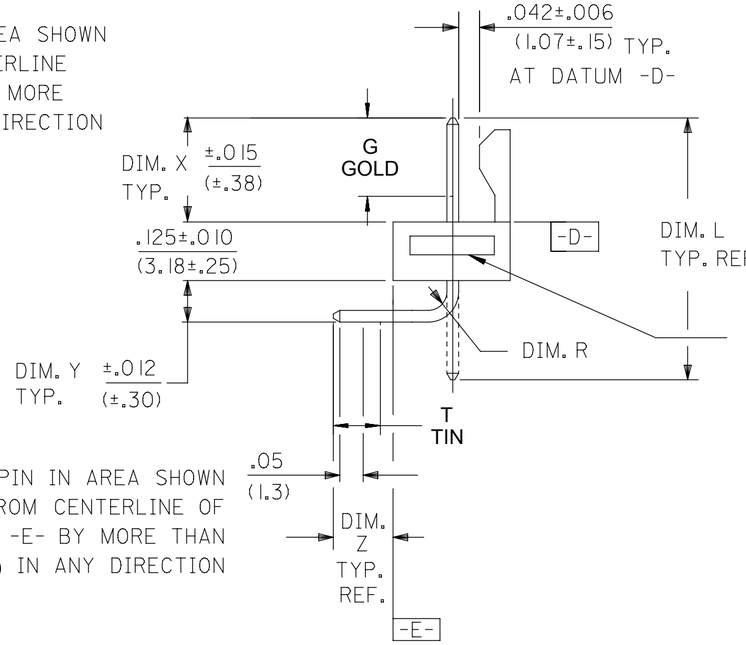


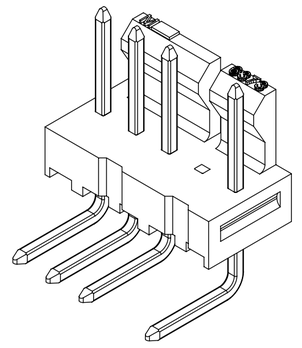
NOTES:

1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE
2. FINISH:
   (197) OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN.
   OVER 0.00127/.000050 MIN. NICKEL OVERALL.
   (228) SELECT GOLD: 0.00076/.000030 MIN.
   SELECT TIN: 0.00254/.000100 MIN.
   OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
   (241) SELECT GOLD: 0.00051/.000020 MIN.
   SELECT TIN: 0.00254/.000100 MIN.
   OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
4. PACKAGING INFORMATION: SEE LEGEND.
5. PARTS ARE STACKABLE END TO END ON .100/(2.54) CENTERS.
6. PIN PUSH OUT FORCE: 2 LBS. MIN.
7. CIRCUIT ONE DESIGNATION IS USED TO DEFINE VOID LOCATION. CIRCUIT ONE MAY OR MAY NOT LINE UP WITH CIRCUIT ONE ON THE MATING HOUSING.
8. PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

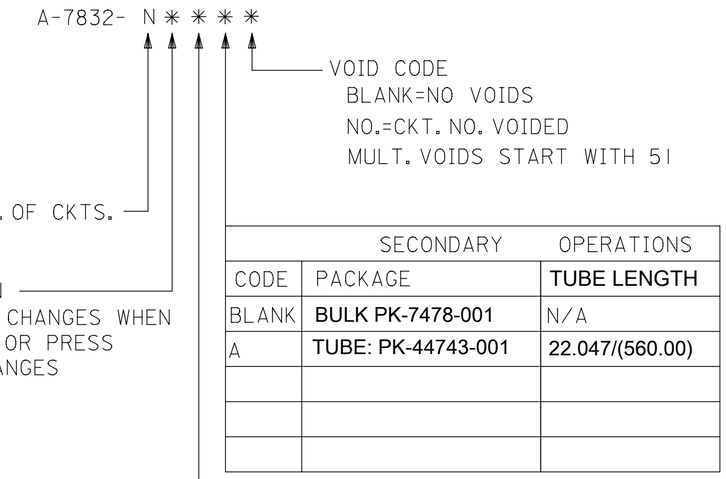
NO. OF CKTS.	DIM. A	DIM. B
28	2.800 / 2.780 (71.12 / 70.61)	2.700 ± .010 (68.58 ± .25)
27	2.700 / 2.680 (68.58 / 68.07)	2.600 ± .010 (66.04 ± .25)
26	2.600 / 2.580 (66.04 / 65.53)	2.500 ± .010 (63.50 ± .25)
25	2.500 / 2.480 (63.50 / 62.99)	2.400 ± .010 (60.96 ± .25)
24	2.400 / 2.380 (60.96 / 60.45)	2.300 ± .010 (58.42 ± .25)
23	2.300 / 2.282 (58.42 / 57.96)	2.200 ± .009 (55.88 ± .23)
22	2.200 / 2.182 (55.88 / 55.42)	2.100 ± .009 (53.34 ± .23)
21	2.100 / 2.082 (53.34 / 52.88)	2.000 ± .009 (50.80 ± .23)
20	2.000 / 1.982 (50.80 / 50.34)	1.900 ± .009 (48.26 ± .23)
19	1.900 / 1.882 (48.26 / 47.80)	1.800 ± .009 (45.72 ± .23)
18	1.800 / 1.784 (45.72 / 45.31)	1.700 ± .008 (43.18 ± .20)
17	1.700 / 1.684 (43.18 / 42.77)	1.600 ± .008 (40.64 ± .20)
16	1.600 / 1.584 (40.64 / 40.23)	1.500 ± .008 (38.10 ± .20)
15	1.500 / 1.484 (38.10 / 37.69)	1.400 ± .008 (35.56 ± .20)
14	1.400 / 1.386 (35.56 / 35.20)	1.300 ± .007 (33.02 ± .18)
13	1.300 / 1.286 (33.02 / 32.66)	1.200 ± .007 (30.48 ± .18)
12	1.200 / 1.186 (30.48 / 30.12)	1.100 ± .007 (27.94 ± .18)
11	1.100 / 1.086 (27.94 / 27.58)	1.000 ± .007 (25.40 ± .18)
10	1.000 / .986 (25.40 / 25.04)	.900 ± .006 (22.86 ± .15)
9	.900 / .886 (22.86 / 22.50)	.800 ± .006 (20.32 ± .15)
8	.800 / .786 (20.32 / 19.96)	.700 ± .006 (17.78 ± .15)
7	.700 / .686 (17.78 / 17.42)	.600 ± .005 (15.24 ± .13)
6	.600 / .586 (15.24 / 14.88)	.500 ± .005 (12.70 ± .13)
5	.500 / .488 (12.70 / 12.40)	.400 ± .005 (10.16 ± .13)
4	.400 / .388 (10.16 / 9.86)	.300 ± .005 (7.62 ± .13)
3	.300 / .288 (7.62 / 7.32)	.200 ± .004 (5.08 ± .10)
2	.200 / .188 (5.08 / 4.78)	.100 ± .004 (2.54 ± .10)



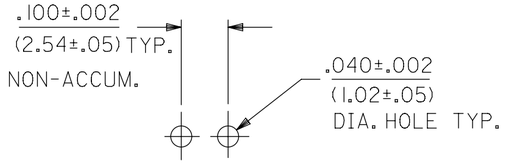




GROOVE MAY OR MAY NOT BE PRESENT (BOTH SIDES). GEOMETRY IS TOOL DEPENDENT AND MAY BE SLIGHTLY DIFFERENT THAN SHOWN



	SECONDARY	OPERATIONS
CODE	PACKAGE	TUBE LENGTH
BLANK	BULK PK-7478-001	N/A
A	TUBE: PK-44743-001	22.047/(560.00)



RECOMMENDED P.C. BOARD HOLE LAYOUT

QUALITY SYMBOLS
EA = 0
EC = 0
EP = 0
= 0
C = 0
= 0
= 0
= 0

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

REV	ADD ALT ENGRAVING VIEW	EC NO: 111298	DRWN: MKIPPER	CHK'D: MKIPPER	APPR: FSMITH
U3		2016/03/16	2017/04/11	2017/04/28	

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± .010
2 PLACES	± 0.25	± .015
1 PLACES	± 0.36	±
0 PLACES	±	±

ANGULAR TOL ± 1/2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: IN/MM
SCALE: ---
DRWN BY: MKIPPER DATE: 2014/04/07
CHK'D BY: SAMIEC DATE: 98/10/09
APPR BY: FSMITH DATE: 2014/08/06
DRAWING SIZE: C
THIRD ANGLE PROJECTION

molex®

FRICTION LOCK HEADER ASY
.100 CL. BENT SQ. PINS 7832 SERIES DWG. W/VOIDS

PRODUCT CUSTOMER DRAWING

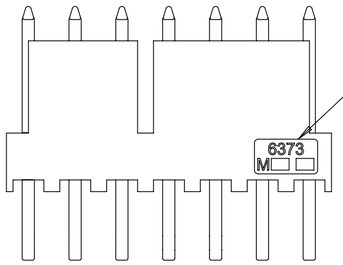
SERIES	MATERIAL NUMBER	CUSTOMER
7832	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SDA-7832	PSD	000	1 OF 3

RELEASE STATUS		RELEASE DATE	

FORMAT: Eng-lega-master-tb-prod-C
REVISION: B
DATE: 2015/11/19

ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. R	DIM. G	DIM. T
A-7832-NA197	42663-0662	.740 (18.80)	.264 (6.71)	.141 (3.58)	.120 (3.05)	90°	.046 (1.17)	N/A	OVERALL
A-7832-NB197	42663-0742	.780 (19.81)	.305 (7.75)	.140 (3.56)	.120 (3.05)	90°	.046 (1.17)	N/A	OVERALL
A-7832-NA241	42663-0666	.740 (18.80)	.264 (6.71)	.141 (3.58)	.120 (3.05)	90°	.046 (1.17)	.180 (4.57)	.135 (3.43)
A-7832-NA228	42663-0664	.740 (18.80)	.264 (6.71)	.141 (3.58)	.120 (3.05)	90°	.046 (1.17)	.180 (4.57)	.135 (3.43)



ALTERNATE ENGRAVING LOCATION (7-12 CKT PARTS ONLY). LOCATION IS DEPENDENT ON TOOLING.

QUALITY SYMBOLS

= 0 (FA)
= 0 (FC)
= 0 (FP)
= 0
= 0 (C)
= 0
= 0
= 0

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

SEE SHEET 1
EC NO: 111298 2016/03/16
DRWN: MKIPPER 2017/04/11
CHK'D: MKIPPER
APPR: FSMITH 2017/04/28
REV: U3

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± .010
2 PLACES	± 0.25	± .015
1 PLACES	± 0.36	±
0 PLACES	±	±

ANGULAR TOL ± 1/2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: IN/MM
SCALE: NTS
DRWN BY: MKIPPER DATE: 2014/04/07
CHK'D BY: SAMIEC DATE: 98/10/09
APPR BY: FSMITH DATE: 2014/08/06
DRAWING SIZE: C
THIRD ANGLE PROJECTION

molex®

FRICTION LOCK HEADER ASY
.100 CL. BENT SQ. PINS 7832 SERIES DWG. W/VOIDS

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
7832	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SDA-7832	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	28.04.2017	22:16:24

FORMAT: Eng-lega-master-tb-prod-C
REVISION: B
DATE: 2015/11/19

A-7832-NA197-*			A-7832-NB197-*			A-7832-NA241-*			A-7832-NA228-*		
PART NO.	ENG. NO (SUFFIX ONLY)	VOID CKT.	PART NO.	ENG. NO (SUFFIX ONLY)	VOID CKT.	PART NO.	ENG. NO (SUFFIX ONLY)	VOID CKT.	PART NO.	ENG. NO (SUFFIX ONLY)	VOID CKT.
22-05-8059	A-7832-5A197-2	2	22-05-8109	A-7832-10B197-6	6	22-19-2070	A-7832-7A241-6	6	22-19-2098	A-7832-9A228-3	3
22-05-8199	A-7832-19A197-14	14	22-05-8078	A-7832-7B197-4	4	22-19-2060	A-7832-6A241-3	3	22-19-2099	A-7832-9A228-4	4
22-05-8069	A-7832-6A197-2	2				22-19-2090	A-7832-9A241-6	6	22-19-2048	A-7832-4A228-3	3
22-05-8076	A-7832-7A197-4	4									
22-05-8077	A-7832-7A197-5	5									
22-05-8068	A-7832-6A197-5	5									
22-05-8047	A-7832-4A197-2	2									
22-05-8079	A-7832-7A197-3	3									
22-05-8116	A-7832-11A197-6	6									
	A-7832-5A197-4	4									
22-05-8253	A-7832-25A197-1	1									
22-05-8129	A-7832-12A197-10	10									
22-05-8159	A-7832-15A197-14	14									
22-05-8128	A-7832-12A197-4	4									
22-05-8049	A-7832-4A197-3	3									
22-05-8086	A-7832-8A197-4	4									
22-05-8113	A-7832-11A197-51	1,5,9									
22-05-8162	A-7832-16A197-51	1,8									
22-05-8087	A-7832-8A197-2	2									
22-05-8088	A-7832-8A197-6	6									
22-05-8089	A-7832-8A197-7	7									
22-05-8104	A-7832-10A197-2	2									
22-05-8105	A-7832-10A197-9	9									
22-05-8084	A-7832-8A197-3	3									
22-05-3277	A-7832-27A197-51	3,7,9,11,14 16,21,23									
22-05-8143	A-7832-14A197-51	2,3,5,6									
46999-0581	A-7832-17A197-51	3,6,12,15									
46999-0651	A-7832-3A197-2	2									

QUALITY SYMBOLS

FA = 0
FC = 0
FP = 0
= 0
C = 0
= 0
= 0
= 0

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

SEE SHEET 1

EC NO: 111298 2016/03/16
DRWN: MKIPPER 2017/04/11
CHK'D: MKIPPER
APPR: FSMITH 2017/04/28

U3 REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± .010
2 PLACES	± 0.25	± .015
1 PLACES	± 0.36	±
0 PLACES	±	±

ANGULAR TOL ± 1/2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: IN/MM
SCALE: NTS
DRWN BY: MKIPPER DATE: 2014/04/07
CHK'D BY: SAMIEC DATE: 98/10/09
APPR BY: FSMITH DATE: 2014/08/06
DRAWING SIZE: C
THIRD ANGLE PROJECTION

molex®

FRICTION LOCK HEADER ASY .100 CL. BENT SQ. PINS 7832 SERIES DWG. W/VOIDS

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
7832	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SDA-7832	PSD	000	3 OF 3

RELEASE STATUS | P1 | RELEASE DATE | 28.04.2017 22:16:24

FORMAT: Eng-legal-master-tb-prod-C
REVISION: B
DATE: 2010/11/19

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

molex:

444280402 447691602 459705185 0190690033 152660117 152670251 152670357 430450225
397730002 398800403 439151216 190990009 151660057 152670269 447642001 190730231 417920538
760475001 190670071 190990010 0436400901 0436802002 151670255 447641402 759001161
0190700155 430451220 436803002 5046940301 190690096