

CKT. SIZE	DIM. A		DIM. B REF.	
	(MM)	INCH	(MM)	INCH
4	(5.08)	0.200	(2.54)	0.100
6	(7.62)	0.300	(5.08)	0.200
8	(10.16)	0.400	(7.62)	0.300
10	(12.70)	0.500	(10.16)	0.400
12	(15.24)	0.600	(12.70)	0.500
14	(17.78)	0.700	(15.24)	0.600
16	(20.32)	0.800	(17.78)	0.700
18	(22.86)	0.900	(20.32)	0.800
20	(25.40)	1.000	(22.86)	0.900
22	(27.94)	1.100	(25.40)	1.000
24	(30.48)	1.200	(27.94)	1.100
26	(33.02)	1.300	(30.48)	1.200
28	(35.56)	1.400	(33.02)	1.300
30	(38.10)	1.500	(35.56)	1.400
32	(40.64)	1.600	(38.10)	1.500
34	(43.18)	1.700	(40.64)	1.600
36	(45.72)	1.800	(43.18)	1.700
38	(48.26)	1.900	(45.72)	1.800
40	(50.80)	2.000	(48.26)	1.900
42	(53.34)	2.100	(50.80)	2.000
44	(55.88)	2.200	(53.34)	2.100
46	(58.42)	2.300	(55.88)	2.200
48	(60.96)	2.400	(58.42)	2.300
50	(63.50)	2.500	(60.96)	2.400
52	(66.04)	2.600	(63.50)	2.500
54	(68.58)	2.700	(66.04)	2.600
56	(71.12)	2.800	(68.58)	2.700
58	(73.66)	2.900	(71.12)	2.800
60	(76.20)	3.000	(73.66)	2.900
62	(78.74)	3.100	(76.20)	3.000
64	(81.28)	3.200	(78.74)	3.100
66	(83.82)	3.300	(81.28)	3.200
68	(86.36)	3.400	(83.82)	3.300
70	(88.90)	3.500	(86.36)	3.400
72	(91.44)	3.600	(88.90)	3.500
74	(93.98)	3.700	(91.44)	3.600
76	(96.52)	3.800	(93.98)	3.700
78	(99.06)	3.900	(96.52)	3.800
80	(101.60)	4.000	(99.06)	3.900
82	(104.14)	4.100	(101.60)	4.000
84	(106.68)	4.200	(104.14)	4.100
86	(109.22)	4.300	(106.68)	4.200
88	(111.76)	4.400	(109.22)	4.300
90	(114.30)	4.500	(111.76)	4.400
92	(116.84)	4.600	(114.30)	4.500
94	(119.38)	4.700	(116.84)	4.600
96	(121.92)	4.800	(119.38)	4.700
98	(124.46)	4.900	(121.92)	4.800
100	(127.00)	5.000	(124.46)	4.900



- NOTES:**
- MATERIAL:**  
PIN: COPPER ALLOY  
WAFER: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER, UL 94V-0, COLOR: BLACK).
  - FINISH:**  
TIN = (0.00380)/.000150 MINIMUM TIN PLATE  
OVER (0.00127)/.000050 MINIMUM NICKEL PLATE.  
15 GOLD = (0.00038)/.000015 MINIMUM GOLD PLATE IN SELECT AREA,  
(0.00190)/.000075 MINIMUM TIN PLATE IN SELECT AREA,  
OVER (0.00127)/.000050 MINIMUM NICKEL PLATE OVERALL.  
30 GOLD = (0.00076)/.000030 MINIMUM GOLD PLATE IN SELECT AREA,  
(0.00190)/.000075 MINIMUM TIN PLATE IN SELECT AREA,  
OVER (0.00127)/.000050 MINIMUM NICKEL PLATE OVERALL.  
GT15 = (0.00038)/.000015 MINIMUM GOLD PLATE IN SELECT AREA,  
(0.00254)/.000100 MINIMUM TIN PLATE IN SELECT AREA,  
OVER (0.00127)/.000050 MINIMUM NICKEL PLATE OVERALL.
  - PRODUCT SPECIFICATION:** NONE
  - PACKAGING INFORMATION:** (UNLESS OTHERWISE NOTED IN TABLES)  
BULK PACK PER PK-70873-0353.
  - MEASURE POINT FOR PLATING THICKNESS.**
  - FOR ASSEMBLIES WITH VOIDED PINS, REFER TO DRAWING NO.**  
SDA-70280-5001-9999.
  - PIN PUSHOUT FORCE:** 3 POUNDS MINIMUM IN EITHER DIRECTION.
  - FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.**
  - PINS MEET SOLDERABILITY SPEC SMES-152. ABSENCE OF PLATING PERMISSIBLE AT BANDOLIER PIN FAYING SURFACE.**  
(APPROXIMATELY (0.64)/.025 INCH LONG BY (0.15)/.006 INCH WIDE AT 2 LOCATIONS)
  - PARTS CONFORM TO CLASS B OF COSMETIC SPECIFICATION**  
PS-45499-002
- \* THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD PLATING.

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:					
MM/IN		4:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 742602					
		MM	INCH	DRWN: SUAIFR 2023/02/28					
4 PLACES		±	±	CHK'D: SUAIFR 2023/03/16					
3 PLACES		±	± 0.005	APPR: MRAMAKRISHNA 2023/03/20					
2 PLACES		± 0.13	± 0.01	INITIAL REVISION:					
1 PLACE		± 0.25	±	DRWN: SMR 04/19/1993					
0 PLACES		±	±	APPR: SMR 04/19/1993					
ANGULAR TOL		± 0.5 °		THIRD ANGLE PROJECTION					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING		SERIES		MATERIAL NUMBER	
				C-SIZE		70280		CUSTOMER	
								SEE TABLE	
								GENERAL MARKET	
								SHEET NUMBER	
								1 OF 9	







ENGINEERING NUMBER A-70280-	RELEASE FOR MANUFACTURE	E REF.	J REF.	C (0.25) ±.010	MATING END PLATING			P.C BOARD END PLATING			FOR PACKAGING INFORMATION, SEE NOTE 4, SHEET 1 (UNLESS OTHERWISE SPECIFIED BELOW)
					TYPE	D MEAS.		TYPE	F MEAS.		
-0439/-0448	R.F.M.	(2.72) .107	(11.10) .437	(6.10) .240	TIN	(2.54) .100		TIN	(1.27) .050		
-0449/-0458	R.F.M.	(2.72) .107	(11.10) .437	(6.10) .240	15 GOLD	(2.54) .100		TIN	(1.27) .050		
-0459/-0468	R.F.M.	(2.72) .107	(11.10) .437	(6.10) .240	30 GOLD	(2.54) .100		TIN	(1.23) .048		
-0469/-0478	R.F.M.	(2.79) .110	(13.21) .520	(8.13) .320	TIN	(4.57) .180		TIN	(1.27) .050		
-0479/-0488	R.F.M.	(2.79) .110	(13.21) .520	(8.13) .320	15 GOLD	(4.57) .180		TIN	(1.27) .050		
-0489/-0498	R.F.M.	(2.79) .110	(13.21) .520	(8.13) .320	30 GOLD	(4.57) .180		TIN	(1.27) .050		
-0499/-0508	R.F.M.	(3.94) .155	(12.32) .485	(6.10) .240	30 GOLD	(2.54) .100		TIN	(1.27) .050		

CKTS	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	CKTS
82	70280-0439	A-70280-0439	70280-0449	A-70280-0449	70280-0459	A-70280-0459	70280-0469	A-70280-0469	70280-0479	A-70280-0479	70280-0489	A-70280-0489	70280-0499	A-70280-0499	82
84	70280-0440	A-70280-0440	70280-0450	A-70280-0450	70280-0460	A-70280-0460	70280-0470	A-70280-0470	70280-0480	A-70280-0480	70280-0490	A-70280-0490	70280-0500	A-70280-0500	84
86	70280-0441	A-70280-0441	70280-0451	A-70280-0451	70280-0461	A-70280-0461	70280-0471	A-70280-0471	70280-0481	A-70280-0481	70280-0491	A-70280-0491	70280-0501	A-70280-0501	86
88	70280-0442	A-70280-0442	70280-0452	A-70280-0452	70280-0462	A-70280-0462	70280-0472	A-70280-0472	70280-0482	A-70280-0482	70280-0492	A-70280-0492	70280-0502	A-70280-0502	88
90	70280-0443	A-70280-0443	70280-0453	A-70280-0453	70280-0463	A-70280-0463	70280-0473	A-70280-0473	70280-0483	A-70280-0483	70280-0493	A-70280-0493	70280-0503	A-70280-0503	90
92	70280-0444	A-70280-0444	70280-0454	A-70280-0454	70280-0464	A-70280-0464	70280-0474	A-70280-0474	70280-0484	A-70280-0484	70280-0494	A-70280-0494	70280-0504	A-70280-0504	92
94	70280-0445	A-70280-0445	70280-0455	A-70280-0455	70280-0465	A-70280-0465	70280-0475	A-70280-0475	70280-0485	A-70280-0485	70280-0495	A-70280-0495	70280-0505	A-70280-0505	94
96	70280-0446	A-70280-0446	70280-0456	A-70280-0456	70280-0466	A-70280-0466	70280-0476	A-70280-0476	70280-0486	A-70280-0486	70280-0496	A-70280-0496	70280-0506	A-70280-0506	96
98	70280-0447	A-70280-0447	70280-0457	A-70280-0457	70280-0467	A-70280-0467	70280-0477	A-70280-0477	70280-0487	A-70280-0487	70280-0497	A-70280-0497	70280-0507	A-70280-0507	98
100	70280-0448	A-70280-0448	70280-0458	A-70280-0458	70280-0468	A-70280-0468	70280-0478	A-70280-0478	70280-0488	A-70280-0488	70280-0498	A-70280-0498	70280-0508	A-70280-0508	100

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

DIMENSION UNITS <b>MM/IN</b>	SCALE <b>1:1</b>	CURRENT REV/DESC:	
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 742602	
4 PLACES ±	MM INCH	DRWN: SUAIFR	2023/02/28
3 PLACES ±	± 0.005	CHK'D: SUAIFR	2023/03/16
2 PLACES ±	0.13 ± 0.01	APPR: MRAMAKRISHNA	2023/03/20
1 PLACE ±	0.25 ±	INITIAL REVISION:	
0 PLACES ±	±	DRWN: SMR	04/19/1993
ANGULAR TOL ±	0.5 °	APPR: SMR	04/19/1993
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES
		<b>C-SIZE</b>	<b>70280</b>

SALES ASSY-HIGH TEMP.  
DUAL ROW WAFER W/BREAK- OFF OPT. .025 SQ PINS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-70280-0001-4000	PSD	001	H1


MATERIAL NUMBER: SEE TABLE    CUSTOMER: GENERAL MARKET    SHEET NUMBER: 5 OF 9

ENGINEERING NUMBER A-70280-	RELEASE FOR MANUFACTURE	E REF.	J REF.	C (0.25) ±.010	MATING END PLATING			P.C BOARD END PLATING			FOR PACKAGING INFORMATION, SEE NOTE 4, SHEET 1 (UNLESS OTHERWISE SPECIFIED BELOW)
					TYPE	D MEAS.		TYPE	F MEAS.		
-0509/0518	R.F.M.	(2.92) .115	(12.83) .505	(7.62) .300	TIN	(4.57) .180		TIN	(1.27) .050		PK-70873-0090
-0529/0538	R.F.M.	(3.68) .145	(17.02) .670	(11.05) .435	TIN	(6.46) .254		TIN	(1.23) .048		PK-70873-0276
-0869/0878	R.F.M.	(2.67) .105	(11.05) .435	(6.10) .240	TIN	(2.54) .100		TIN	(1.27) .050		PK-70873-0090
-0879/0888	R.F.M.	(4.45) .175	(12.83) .505	(6.10) .240	TIN	(2.54) .100		TIN	(1.27) .050		
-0889/0898	R.F.M.	(4.45) .175	(12.83) .505	(6.10) .240	15 GOLD	(2.54) .100		TIN	(1.27) .050		

CKTS	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	CKTS
82	70280-0509	A-70280-0509			70280-0529	A-70280-0529			70280-0869	A-70280-0869	70280-0879	A-70280-0879	70280-0889	A-70280-0889	82
84	70280-0510	A-70280-0510			70280-0530	A-70280-0530			70280-0870	A-70280-0870	70280-0880	A-70280-0880	70280-0890	A-70280-0890	84
86	70280-0511	A-70280-0511			70280-0531	A-70280-0531			70280-0871	A-70280-0871	70280-0881	A-70280-0881	70280-0891	A-70280-0891	86
88	70280-0512	A-70280-0512			70280-0532	A-70280-0532			70280-0872	A-70280-0872	70280-0882	A-70280-0882	70280-0892	A-70280-0892	88
90	70280-0513	A-70280-0513			70280-0533	A-70280-0533			70280-0873	A-70280-0873	70280-0883	A-70280-0883	70280-0893	A-70280-0893	90
92	70280-0514	A-70280-0514			70280-0534	A-70280-0534			70280-0874	A-70280-0874	70280-0884	A-70280-0884	70280-0894	A-70280-0894	92
94	70280-0515	A-70280-0515			70280-0535	A-70280-0535			70280-0875	A-70280-0875	70280-0885	A-70280-0885	70280-0895	A-70280-0895	94
96	70280-0516	A-70280-0516			70280-0536	A-70280-0536			70280-0876	A-70280-0876	70280-0886	A-70280-0886	70280-0896	A-70280-0896	96
98	70280-0517	A-70280-0517			70280-0537	A-70280-0537			70280-0877	A-70280-0877	70280-0887	A-70280-0887	70280-0897	A-70280-0897	98
100	70280-0518	A-70280-0518			70280-0538	A-70280-0538			70280-0878	A-70280-0878	70280-0888	A-70280-0888	70280-0898	A-70280-0898	100

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:	
MM/IN	1:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 742602	
	MM	INCH	DRWN: SUAIFR 2023/02/28
4 PLACES	±	±	CHK'D: SUAIFR 2023/03/16
3 PLACES	±	± 0.005	APPR: MRAMAKRISHNA 2023/03/20
2 PLACES	± 0.13	± 0.01	INITIAL REVISION:
1 PLACE	± 0.25	±	DRWN: SMR 04/19/1993
0 PLACES	±	±	APPR: SMR 04/19/1993
ANGULAR TOL	± 0.5 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES
		C-SIZE	70280



SALES ASSY-HIGH TEMP.  
DUAL ROW WAFER W/BREAK- OFF OPT. .025 SQ PINS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-70280-0001-4000	PSD	001	H1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	6 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2023/03/20	10:44:28
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ENGINEERING NUMBER A-70280-	RELEASE FOR MANUFACTURE	E REF.	J REF.	C (0.25) ±.010	MATING END PLATING			P.C BOARD END PLATING			FOR PACKAGING INFORMATION, SEE NOTE 4, SHEET 1 (UNLESS OTHERWISE SPECIFIED BELOW)
					TYPE	D MEAS.		TYPE	F MEAS.		
-0899/0908	R.F.M.	(4.45) .175	(12.83) .505	(6.10) .240	30 GOLD	(2.54) .100		TIN	(1.27) .050		
-0909/0918	R.F.M.	(4.70) .185	(15.11) .595	(8.13) .320	TIN	(4.57) .180		TIN	(1.27) .050		
-0919/0928	R.F.M.	(4.70) .185	(15.11) .595	(8.13) .320	15 GOLD	(4.57) .180		TIN	(1.27) .050		
-0929/0938	R.F.M.	(4.70) .185	(15.11) .595	(8.13) .320	30 GOLD	(4.57) .180		TIN	(1.27) .050		
-0939/0948	R.F.M.	(5.08) .200	(13.21) .520	(5.84) .230	TIN	(2.54) .100		TIN	(1.27) .050		

CKTS	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	CKTS
82	70280-0899	A-70280-0899	70280-0909	A-70280-0909	70280-0919	A-70280-0919	70280-0929	A-70280-0929	70280-0939	A-70280-0939					82
84	70280-0900	A-70280-0900	70280-0910	A-70280-0910	70280-0920	A-70280-0920	70280-0930	A-70280-0930	70280-0940	A-70280-0940					84
86	70280-0901	A-70280-0901	70280-0911	A-70280-0911	70280-0921	A-70280-0921	70280-0931	A-70280-0931	70280-0941	A-70280-0941					86
88	70280-0902	A-70280-0902	70280-0912	A-70280-0912	70280-0922	A-70280-0922	70280-0932	A-70280-0932	70280-0942	A-70280-0942					88
90	70280-0903	A-70280-0903	70280-0913	A-70280-0913	70280-0923	A-70280-0923	70280-0933	A-70280-0933	70280-0943	A-70280-0943					90
92	70280-0904	A-70280-0904	70280-0914	A-70280-0914	70280-0924	A-70280-0924	70280-0934	A-70280-0934	70280-0944	A-70280-0944					92
94	70280-0905	A-70280-0905	70280-0915	A-70280-0915	70280-0925	A-70280-0925	70280-0935	A-70280-0935	70280-0945	A-70280-0945					94
96	70280-0906	A-70280-0906	70280-0916	A-70280-0916	70280-0926	A-70280-0926	70280-0936	A-70280-0936	70280-0946	A-70280-0946					96
98	70280-0907	A-70280-0907	70280-0917	A-70280-0917	70280-0927	A-70280-0927	70280-0937	A-70280-0937	70280-0947	A-70280-0947					98
100	70280-0908	A-70280-0908	70280-0918	A-70280-0918	70280-0928	A-70280-0928	70280-0938	A-70280-0938	70280-0948	A-70280-0948					100

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:							
MM/IN		1:1		<p><b>molex</b></p> <p>SALES ASSY-HIGH TEMP. DUAL ROW WAFER W/BREAK- OFF OPT. .025 SQ PINS</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: <b>SDA-70280-0001-4000</b>   DOC TYPE: PSD   DOC PART: 001   REVISION: H1</p> <p>MATERIAL NUMBER: SEE TABLE   CUSTOMER: GENERAL MARKET   SHEET NUMBER: 7 OF 9</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)											
		MM	INCH								
4 PLACES	±		±								
3 PLACES	±		± 0.005								
2 PLACES	±	0.13	± 0.01								
1 PLACE	±	0.25	±								
0 PLACES	±		±								
ANGULAR TOL ± 0.5 °				<p>EC NO: 742602</p> <p>DRWN: SUAIFR 2023/02/28</p> <p>CHK'D: SUAIFR 2023/03/16</p> <p>APPR: MRAMAKRISHNA 2023/03/20</p> <p>INITIAL REVISION:</p> <p>DRWN: SMR 04/19/1993</p> <p>APPR: SMR 04/19/1993</p>							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						C-SIZE		70280		SEE TABLE	

ENGINEERING NUMBER A-70280-	RELEASE FOR MANUFACTURE	E REF.	J REF.	C (0.25) ±.010	MATING END PLATING			P.C BOARD END PLATING			FOR PACKAGING INFORMATION, SEE NOTE 4, SHEET 1 (UNLESS OTHERWISE SPECIFIED BELOW)
					TYPE	D MEAS.		TYPE	F MEAS.		
-0949/-0987	R.F.M.	(3.43) .135	(11.81) .465	(6.10) .240	15 GOLD	(2.54) .100		TIN	(1.27) .050		
-1130/1168	R.F.M.	(3.56) .140	(15.24) .600	(9.40) .370	15 GOLD	(5.33) .210		TIN	(2.54) .100		
-1169/-1207	R.F.M.	(2.79) .110	(16.51) .650	(11.43) .450	15 GOLD	(4.57) .180		TIN	(2.54) .100		
-1208/-1246	R.F.M.	(5.08) .200	(13.21) .520	(5.84) .230	15 GOLD	(2.54) .100		TIN	(1.27) .050		

CKTS	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	CKTS
4		A-70280-0949																	4
6		A-70280-0950																	6
8		A-70280-0951																	8
10	70280-0952	A-70280-0952																	10
12		A-70280-0953																	12
14		A-70280-0954																	14
16		A-70280-0955																	16
18		A-70280-0956																	18
20		A-70280-0957																	20
22		A-70280-0958																	22
24		A-70280-0959						70280-1218	A-70280-1218										24
26		A-70280-0960	70280-1141	A-70280-1141															26
28		A-70280-0961																	28
30		A-70280-0962																	30
32		A-70280-0963			70280-1183	A-70280-1183													32
34		A-70280-0964																	34
36		A-70280-0965																	36
38		A-70280-0966																	38
40		A-70280-0967																	40
42		A-70280-0968																	42
44		A-70280-0969																	44
46		A-70280-0970																	46
48		A-70280-0971																	48
50		A-70280-0972																	50
52		A-70280-0973																	52
54		A-70280-0974																	54
56		A-70280-0975																	56
58		A-70280-0976																	58
60		A-70280-0977																	60
62		A-70280-0978																	62
64		A-70280-0979																	64
66		A-70280-0980																	66
68		A-70280-0981																	68
70		A-70280-0982																	70
72		A-70280-0983																	72
74		A-70280-0984																	74
76		A-70280-0985																	76
78		A-70280-0986																	78
80		A-70280-0987																	80

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

DIMENSION UNITS <b>MM/IN</b>	SCALE <b>1:1</b>	CURRENT REV DESC:	
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 742602	
4 PLACES ±	±	DRWN: SUAIFR	2023/02/28
3 PLACES ±	± 0.005	CHK'D: SUAIFR	2023/03/16
2 PLACES ±	0.13 ± 0.01	APPR: MRAMAKRISHNA	2023/03/20
1 PLACE ±	0.25 ±	INITIAL REVISION:	
0 PLACES ±	±	DRWN: SMR	04/19/1993
ANGULAR TOL ±	0.5 °	APPR: SMR	04/19/1993
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING <b>C-SIZE</b>
		SERIES <b>70280</b>	DOCUMENT NUMBER <b>SDA-70280-0001-4000</b>
		MATERIAL NUMBER SEE TABLE	CUSTOMER GENERAL MARKET
		DOC TYPE   DOC PART   REVISION <b>PSD   001   H1</b>	
		SHEET NUMBER 8 OF 9	



ENGINEERING NUMBER A-70280-	RELEASE FOR MANUFACTURE	E REF.	J REF.	C (0.25) ±.010	MATING END PLATING			P.C BOARD END PLATING			FOR PACKAGING INFORMATION, SEE NOTE 4, SHEET 1 (UNLESS OTHERWISE SPECIFIED BELOW)
					TYPE	D MEAS.		TYPE	F MEAS.		
-1247 / -1285	R.F.M	(3.68) .145	(17.02) .670	(11.05) .435	TIN	(6.46) 2.54		TIN	(1.23) .048		PK-70873-0276
1286	R.F.M.	(3.56) .140	(15.24) .600	(9.40) .370	TIN	(5.33) .210		TIN	(2.54) .100		

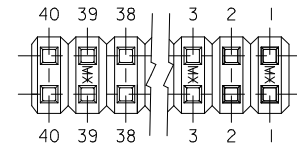
CKTS	EDP NUMBER	ENG NUMBER	EDP NUMBER	ENG NUMBER	ITEM NUMBER	ITEM NUMBER	ITEM NUMBER	CKTS
4								4
6								6
8								8
10								10
12								12
14								14
16								16
18	70280-1254	A-70280-1254						18
20								20
22								22
24								24
26			70280-1286	A-70280-1286				26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58
60								60
62								62
64								64
66								66
68								68
70								70
72								72
74								74
76								76
78								78
80								80

(H1)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS <b>MM/IN</b>		SCALE <b>1:1</b>		CURRENT REV DESC:				<b>molex</b>	
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 742602					
4 PLACES ±		MM		INCH		DRWN: SUAIFR		2023/02/28	
3 PLACES ±		± 0.13		± 0.01		CHK'D: SUAIFR		2023/03/16	
2 PLACES ±		± 0.25		±		APPR: MRAMAKRISHNA		2023/03/20	
1 PLACE ±		±		±		INITIAL REVISION:			
0 PLACES ±		±		±		DRWN: SMR		04/19/1993	
ANGULAR TOL ±		± 0.5 °		THIRD ANGLE PROJECTION		DRAWING		SERIES	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C-SIZE		70280		MATERIAL NUMBER		CUSTOMER	
						SEE TABLE		GENERAL MARKET	
								SHEET NUMBER	
								9 OF 9	

DOCUMENT STATUS	P1	RELEASE DATE	2023/03/20	10:44:28
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CKT. SIZE	DIM. A REF.		DIM. B REF.	
	(MM)	INCH	(MM)	INCH
4	(5.08)	.200	(2.54)	.100
6	(7.62)	.300	(5.08)	.200
8	(10.16)	.400	(7.62)	.300
10	(12.70)	.500	(10.16)	.400
12	(15.24)	.600	(12.70)	.500
14	(17.78)	.700	(15.24)	.600
16	(20.32)	.800	(17.78)	.700
18	(22.86)	.900	(20.32)	.800
20	(25.40)	1.000	(22.86)	.900
22	(27.94)	1.100	(25.40)	1.000
24	(30.48)	1.200	(27.94)	1.100
26	(33.02)	1.300	(30.48)	1.200
28	(35.56)	1.400	(33.02)	1.300
30	(38.10)	1.500	(35.56)	1.400
32	(40.64)	1.600	(38.10)	1.500
34	(43.18)	1.700	(40.64)	1.600
36	(45.72)	1.800	(43.18)	1.700
38	(48.26)	1.900	(45.72)	1.800
40	(50.80)	2.000	(48.26)	1.900
42	(53.34)	2.100	(50.80)	2.000
44	(55.88)	2.200	(53.34)	2.100
46	(58.42)	2.300	(55.88)	2.200
48	(60.96)	2.400	(58.42)	2.300
50	(63.50)	2.500	(60.96)	2.400
52	(66.04)	2.600	(63.50)	2.500
54	(68.58)	2.700	(66.04)	2.600
56	(71.12)	2.800	(68.58)	2.700
58	(73.66)	2.900	(71.12)	2.800
60	(76.20)	3.000	(73.66)	2.900
62	(78.74)	3.100	(76.20)	3.000
64	(81.28)	3.200	(78.74)	3.100
66	(83.82)	3.300	(81.28)	3.200
68	(86.36)	3.400	(83.82)	3.300
70	(88.90)	3.500	(86.36)	3.400
72	(91.44)	3.600	(88.90)	3.500
74	(93.98)	3.700	(91.44)	3.600
76	(96.52)	3.800	(93.98)	3.700
78	(99.06)	3.900	(96.52)	3.800
80	(101.60)	4.000	(99.06)	3.900
82	(104.14)	4.100	(101.60)	4.000
84	(106.68)	4.200	(104.14)	4.100
86	(109.22)	4.300	(106.68)	4.200
88	(111.76)	4.400	(109.22)	4.300
90	(114.30)	4.500	(111.76)	4.400
92	(116.84)	4.600	(114.30)	4.500
94	(119.38)	4.700	(116.84)	4.600
96	(121.92)	4.800	(119.38)	4.700
98	(124.46)	4.900	(121.92)	4.800
100	(127.00)	5.000	(124.46)	4.900

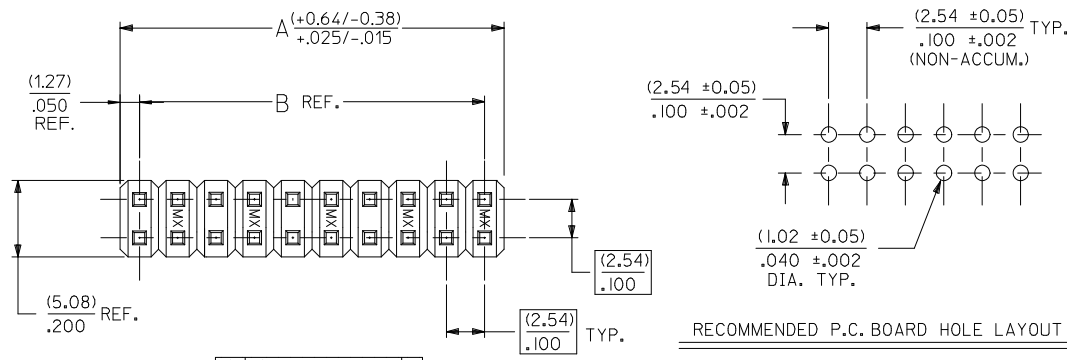


VIEW "AB"  
USE FOR LOCATING VOIDED CKTS.  
(TOP VIEW SHOWN)  
(SEE NOTE 6)

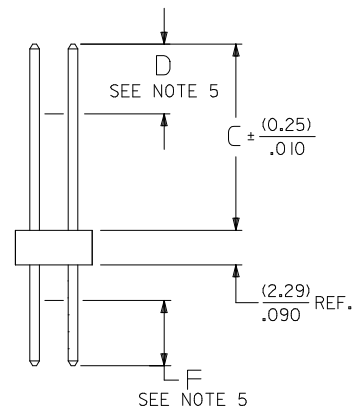
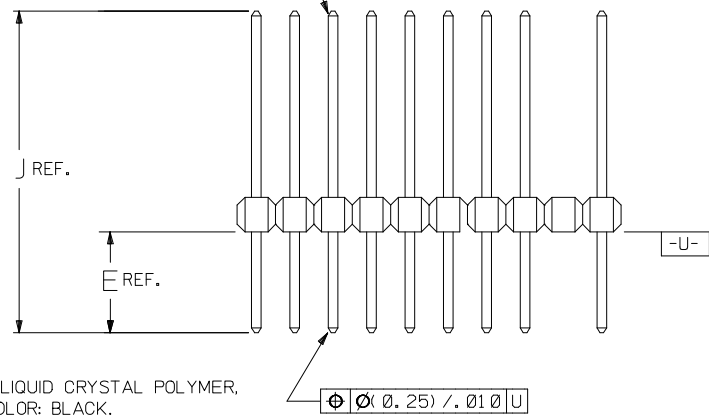
NOTES:

- MATERIAL:  
PIN: COPPER ALLOY  
WAFER: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER, UL 94V-0, COLOR: BLACK.
- FINISH:  
TIN = (0.00380)/.000150 MINIMUM TIN PLATE  
OVER (0.00127)/.000050 MINIMUM NICKEL PLATE.  
15 GOLD = (0.00038)/.000015 MINIMUM GOLD PLATE IN SELECT AREA,  
(0.00190)/.000075 MINIMUM TIN PLATE IN SELECT AREA,  
OVER (0.00127)/.000050 MINIMUM NICKEL PLATE OVERALL.  
30 GOLD = (0.00076)/.000030 MINIMUM GOLD PLATE IN SELECT AREA,  
(0.00190)/.000075 MINIMUM TIN PLATE IN SELECT AREA,  
OVER (0.00127)/.000050 MINIMUM NICKEL PLATE OVERALL.  
15G/100T = (0.00038)/.000015 MINIMUM GOLD PLATE IN SELECT AREA,  
(0.00254)/.000100 MINIMUM TIN PLATE IN SELECT AREA,  
OVER (0.00127)/.000050 MINIMUM NICKEL PLATE OVERALL.

\* THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD PLATING.



RECOMMENDED P.C. BOARD HOLE LAYOUT



- PRODUCT SPECIFICATION: PS-70280
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES) BULK PACK PER PK-70873-0353.
- MEASURE POINT FOR PLATING THICKNESS.
- VOIDED PIN LOCATIONS ARE IDENTIFIED NUMERICALLY FROM RIGHT TO LEFT AND ALPHABETICALLY FROM TOP TO BOTTOM USING VIEW "AB"; SEE CHART FOR LOCATION.
- PIN PUSHOUT FORCE: 3 POUNDS MINIMUM IN EITHER DIRECTION.
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.
- PINS MEET SOLDERABILITY SPEC SMES-152.
- WAFER TO BE FLAT WITHIN (0.03 MM/CM) .003 IN./IN.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

2	J1
1	K
SHT	REV

<b>CORRECTED DIMENSION</b> EC NO: UCP2009-2631 DRWN:TBRENS 2009/06/04 CHKD:HKIPPER 2009/06/10 APPR:FSMLTH 2009/06/12 REV:	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr><th colspan="2">mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>± .005</td><td>± .0005</td></tr> <tr><td>3 PLACES</td><td>± .005</td><td>± .0005</td></tr> <tr><td>2 PLACES</td><td>± 0.13</td><td>± .01</td></tr> <tr><td>1 PLACE</td><td>± 0.25</td><td>± .01</td></tr> </table>	mm		INCH	4 PLACES	± .005	± .0005	3 PLACES	± .005	± .0005	2 PLACES	± 0.13	± .01	1 PLACE	± 0.25	± .01	DIMENSION STYLE <b>MM/IN</b>	SCALE <b>4:1</b>	DESIGN UNITS <b>INCH</b>	THIRD ANGLE PROJECTION
	mm		INCH																		
	4 PLACES	± .005	± .0005																		
	3 PLACES	± .005	± .0005																		
2 PLACES	± 0.13	± .01																			
1 PLACE	± 0.25	± .01																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY RB	DATE 93/01/08	<b>WAFER ASSY -HIGH TEMP          DUAL ROW W/BREAK-OFF          OPTION W/VOIDS</b>																		
MATERIAL NO. <b>SEE TABLE</b>	APPROVED BY DJB	DATE 93/01/08	<b>MOLEX INCORPORATED</b>																		
SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DOCUMENT NO. <b>SDA-70280-5001-9999</b>	SHEET NO. <b>1 OF 2</b>																	

	13	12	11	10	9	8	7	6	5	4	3	2	1				
J	OBSOLETE	ENGINEERING NUMBER	EDP NUMBER	CKT. SIZE	VOIDED PIN LOCATION (SEE NOTE 6)		E REF.	J REF.	C REF. +.010 (0.25)	PLATING TYPE SEE SHEET 1	CONNECTOR END PLATING			P.C. BOARD END PLATING			FOR PACKAGING INFORMATION, SEE NOTE #4 ON SHEET 1 (UNLESS OTHERWISE SPECIFIED BELOW)
					ROW	LOCATION					TYPE	D MEAS.	TYPE	F MEAS.			
		A-70280-5001	10-98-0004	26	B	1	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5002	10-98-0014	16	A	2	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
I		A-70280-5003	70280-5003	38	B	13	.125 (3.18)	.455 (11.56)	.240 (6.10)	15G/100T	GOLD	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5004	70280-5004	08	B	2	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5005	70280-5005	06	A	2	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
					B	3											
		A-70280-5006	70280-500	20	A	7	.107 (2.72)	.437 (11.10)	.240 (6.10)	TIN	TIN	.100 (2.54)	TIN	.050 (1.27)			
H		A-70280-5007	70280-5007	10	A	1	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5008	70280-5008	16	A	7	.107 (2.72)	.437 (11.10)	.240 (6.10)	TIN	TIN	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5009	70280-5009	50	A	13	.107 (2.72)	.437 (11.10)	.240 (6.10)	TIN	TIN	.100 (2.54)	TIN	.050 (1.27)			
G		A-70280-5010	70280-5010	26	B	1	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
	X	A-70280-5011	70280-5011	26	A	5,15,21	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
					B	6,10,22											
		A-70280-5012	70280-5012	04	B	1,2	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
F		A-70280-5013	70280-5013	40	A	11	.107 (2.72)	.437 (11.10)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5014	70280-5014	10	A	5	.135 (3.43)	.465 (11.81)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5015	70280-5015	10	A	5	.135 (3.43)	.465 (11.81)	.240 (6.10)	30 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
E		A-70280-5016	70280-5016	10	A	5	.110 (2.79)	.440 (11.18)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5017	70280-5017	10	B	4	.110 (2.79)	.440 (11.18)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			
		A-70280-5018	70280-5018	16	A	3	.110 (2.79)	.440 (11.18)	.240 (6.10)	15 GOLD	GOLD	.100 (2.54)	TIN	.050 (1.27)			

<b>UPDATE DIMENSIONS</b> FC NO: UCP2007-3272 DRAWN: ADERR 2007/06/27 CHKD: IBELL 2007/06/27 APPR: FSM TH 2007/06/28 REV: J1	<b>QUALITY SYMBOLS</b> = 0 = 0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	DRAWN BY RB	DATE 93/01/08	TITLE <b>WAFER ASSEM.-HIGH TEMP. DUAL ROW W/BREAK-OFF OPTION W/VOIDS</b>		
		ANGULAR ±1/2°				CHECKED BY DJB	DATE 93/01/08	MOLEX INCORPORATED		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. <b>SEE TABLE</b>	DOCUMENT NO. SDA-70280-5001-9999	SHEET NO. 2 OF 2		