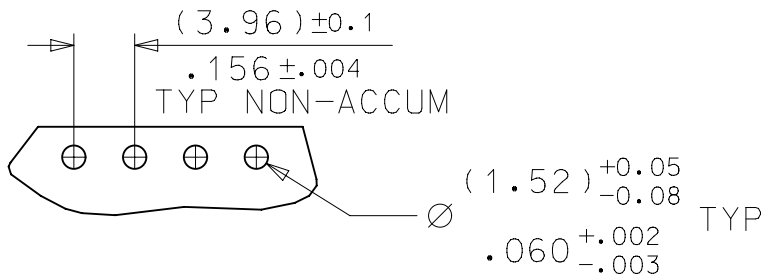
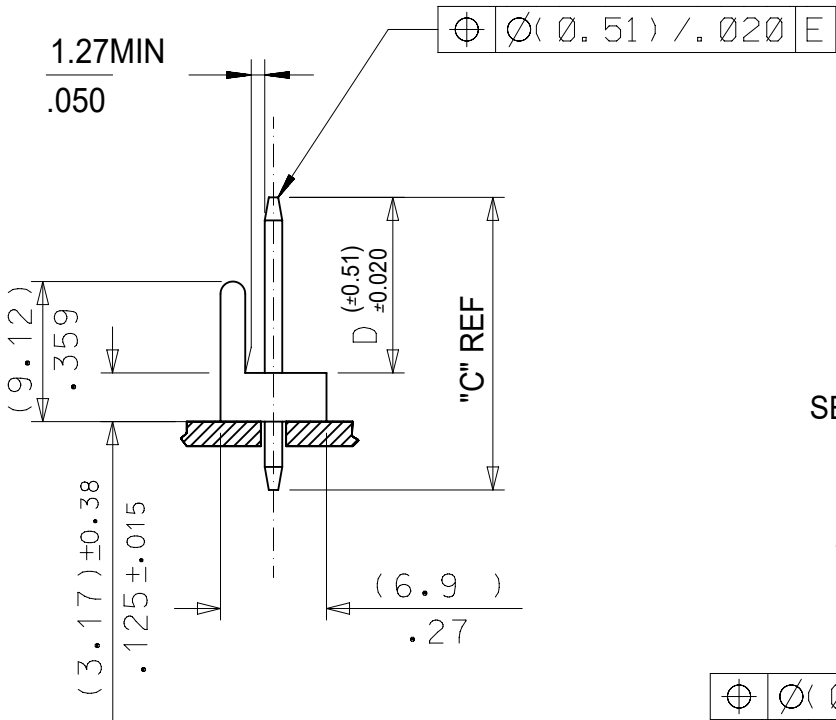


10		9		8	
		ENG No:			AE-3190-NA
		DIM "D"			(11.43) .450
		DIM "C"			(19.05) .750
CCT SIZE	DIM "A"		DIM "B"		PART No
3	(7.92) .312		(11.89) .468		26-19-2031
4	(11.89) .468		(15.85) .624		26-19-2041
5	(15.85) .624		(19.81) .780		26-19-2051
6	(19.81) .780		(23.77) .936		26-19-2061
8	(27.74) 1.092		(31.70) 1.248		26-19-2081
9	(31.70) 1.248		(35.66) 1.404		26-19-2091
10	(35.66) 1.404		(39.62) 1.560		26-19-2101
11	(39.62) 1.560		(43.59) 1.716		26-19-2111
12	(43.59) 1.716		(47.55) 1.872		26-19-2121
13	(47.55) 1.872		(51.51) 2.028		26-19-2131
15	(55.47) 2.184		(59.44) 2.340		26-19-2151
16	(59.44) 2.340		(63.40) 2.496		26-19-2161
17	(63.40) 2.496		(67.36) 2.652		26-19-2171
18	(67.36) 2.652		(71.32) 2.808		26-19-2181
19	(71.32) 2.808		(75.29) 2.964		26-19-2191
20	(75.29) 2.964		(79.25) 3.120		26-19-2201

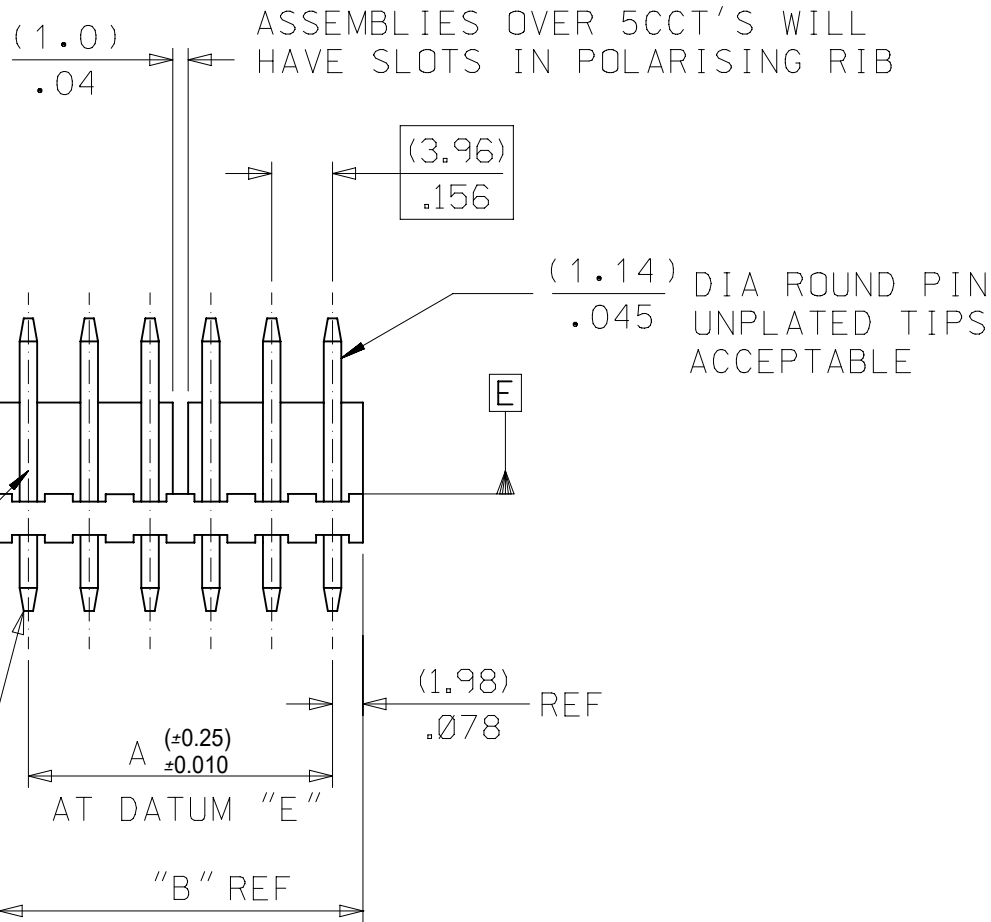


RECOMMENDED PCB HOLE DIMENSIONS

$\phi \phi (0.38) \pm .015$ E

SEE NOTE 6

CKT. No.1
SEE NOTE 9



- NOTES:
1. MATERIAL: HOUSING: NYLON, UL94V-2, COLOR: NATURAL
PINS: BRASS
 2. FINISH: (0.00254)/.000100 MIN. MATTE TIN OVER
(0.00127)/.000050 MIN. NICKEL
UNPLATED TIPS ACCEPTABLE
 3. PRODUCT SPECIFICATION: PS-99020-0087
 4. PACKAGING SPECIFICATION: PER PK-3190-001
 5. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
 6. PIN PUSHOUT FORCE 3 LBS MIN.
 7. PIN MUST CONFORM TO MOLEX SOLDERABILITY SPEC SMES-152 AFTER PLATING.
 8. RECOMMENDED PCB BOARD 1.6MM
 9. CIRCUIT 1 USED TO DEFINE VOID LOCATION. CIRCUIT 1 MAY OR MAY NOT ALIGN WITH CIRCUIT 1 OF THE MATING PART.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
	MM/IN	NTS
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
		MM INCH
	4 PLACES $\pm$	$\pm$
DIVISIONAL SYMBOLS	3 PLACES $\pm$	± 0.01
	2 PLACES $\pm$	$\pm 0.25 \pm 0.014$
	1 PLACE $\pm$	$\pm$
	0 PLACES $\pm$	$\pm$
	ANGULAR TOL	$\pm 0.5^\circ$
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION
CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515767		EC NO: 806185 DRWN: VISHAH2 CHK'D: GGA APPR: GGA
INITIAL REVISION: DRWN: T.MOHON APPR: MWILHITE		2024/11/27 2024/12/16 2024/12/16
SERIES		1998/10/02 1998/10/02
MATERIAL NUMBER		SDAE-3190-NXX
CUSTOMER		GENERAL MARKET
SHEET NUMBER		1 OF 2

molex

WAFER POL KK .156
FOR .045 ROUND PINS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION
SDAE-3190-NXX PSD 001 AD2

ENG NO:		AE-3190-NA-*			
DIM "D"		(11.43) .450			
DIM "C"		(19.05) .750			
NO. OF CKTS	VOID LOCATION	PART NO.	ENG NO.	DIM. "A"	DIM. "B"
3	3	38-00-7587	AE-3190-3A-51	$\frac{(7.92 \pm 0.25)}{.312 \pm .010}$	$\frac{(11.89)}{.486}$
4	2	↑ -7260	↑ -4A-51	↑ $\frac{(11.89)}{.469}$	↑ $\frac{(15.85)}{.624}$
4	3	-7261	-4A-52	$\frac{(11.89)}{.469}$	$\frac{(15.85)}{.624}$
5	2	-7588	-5A-54	$\frac{(15.85)}{.624}$	$\frac{(19.81)}{.780}$
5	3	-1589	-5A-03	$\frac{(15.85)}{.624}$	$\frac{(19.81)}{.780}$
5	4	-7604	-5A-04	$\frac{(15.85)}{.624}$	$\frac{(19.81)}{.780}$
5	2&4	-1200	-5A-51	$\frac{(15.85)}{.624}$	$\frac{(19.81)}{.780}$
5	1,3	-7262	-5A-52	$\frac{(15.85)}{.624}$	$\frac{(19.81)}{.780}$
5	3,5	-1588	-5A-53	$\frac{(15.85)}{.624}$	$\frac{(19.81)}{.780}$
6	3	-7642	-6A-54	$\frac{(19.81)}{.780}$	$\frac{(23.77)}{.936}$
6	4	-7263	-6A-51	$\frac{(19.81)}{.780}$	$\frac{(23.77)}{.936}$
6	5	-7641	-6A-53	$\frac{(19.81)}{.780}$	$\frac{(23.77)}{.936}$
6	3,6	-7589	-6A-52	$\frac{(19.81)}{.780}$	$\frac{(23.77)}{.936}$
7	6	-7605	-7A-06	$\frac{(23.77)}{.936}$	$\frac{(27.74)}{1.092}$
8	4	-7590	-8A-51	$\frac{(27.74)}{1.092}$	$\frac{(31.70)}{1.248}$
9	4,7	-7638	-9A-52	$\frac{(31.70)}{1.248}$	$\frac{(35.66)}{1.404}$
10	3,4	-7639	-10A-51	$\frac{(35.66)}{1.404}$	$\frac{(39.62)}{1.560}$
11	6	-7591	-11A-55	$\frac{(39.62)}{1.560}$	$\frac{(43.59)}{1.716}$
11	2,4,8	-7264	-11A-52	$\frac{(39.62)}{1.560}$	$\frac{(43.59)}{1.716}$
11	3,4,8	-1587	-11A-53	$\frac{(39.62)}{1.560}$	$\frac{(43.59)}{1.716}$
11	4,8,9	-1586	-11A-54	$\frac{(39.62)}{1.560}$	$\frac{(43.59)}{1.716}$
13	3	-7669	-13A-3	$\frac{(47.55)}{1.872}$	$\frac{(51.51)}{2.028}$
13	4,8,11	-7640	-13A-51	$\frac{(47.55)}{1.872}$	$\frac{(51.51)}{2.028}$
15	3,9	↓ -8241	↓ -15A-52	↓ $\frac{(55.47)}{2.184}$	↓ $\frac{(59.44)}{2.340}$
15	9,13	38-00-8242	AE-3190-15A-53	$\frac{(55.47 \pm 0.25)}{2.184 \pm .010}$	$\frac{(59.44)}{2.340}$

OBSOLETE PART #S

0
0
0

SEE CHART

F

E

D

C

B

A

F

E

D

C

B

A

ENG NO:		AE-3190-NA-*				
DIM "D"		(11.43) .450				
DIM "C"		(19.05) .750				
NO. OF CKTS	VOID LOCATION	PART NO.	ENG NO.	DIM. "A"	DIM. "B"	
3	3	38-00-7587	AE-3190-3A-51	(7.92 ±0.25) .312 ±.010	(11.89) .486	
4	2	↑ -7260	↑ -4A-51	(11.89) .469	(15.85) .624	
4	3	-7261	-4A-52	(11.89) .469	(15.85) .624	
5	2	-7588	-5A-54	(15.85) .624	(19.81) .780	
5	3	-1589	-5A-03	(15.85) .624	(19.81) .780	
5	4	-7604	-5A-04	(15.85) .624	(19.81) .780	
5	2&4	-1200	-5A-51	(15.85) .624	(19.81) .780	
5	1,3	-7262	-5A-52	(15.85) .624	(19.81) .780	
5	3,5	-1588	-5A-53	(15.85) .624	(19.81) .780	
6	3	-7642	-6A-54	(19.81) .780	(23.77) .936	
6	4	-7263	-6A-51	(19.81) .780	(23.77) .936	
6	5	-7641	-6A-53	(19.81) .780	(23.77) .936	
6	3,6	-7589	-6A-52	(19.81) .780	(23.77) .936	
7	6	-7605	-7A-06	(23.77) .936	(27.74) 1.092	
8	4	-7590	-8A-51	(27.74) 1.092	(31.70) 1.248	
9	4,7	-7638	-9A-52	(31.70) 1.248	(35.66) 1.404	
10	3,4	-7639	-10A-51	(35.66) 1.404	(39.62) 1.560	
11	6	-7591	-11A-55	(39.62) 1.560	(43.59) 1.716	
11	2,4,8	-7264	-11A-52	(39.62) 1.560	(43.59) 1.716	
11	3,4,8	-1587	-11A-53	(39.62) 1.560	(43.59) 1.716	
11	4,8,9	-1586	-11A-54	(39.62) 1.560	(43.59) 1.716	
13	3	-7669	-13A-3	(47.55) 1.872	(51.51) 2.028	
13	4,8,11	-7640	-13A-51	(47.55) 1.872	(51.51) 2.028	
15	3,9	↓ -8241	↓ -15A-52	(55.47) 2.184	(59.44) 2.340	
15	9,13	38-00-8242	AE-3190-15A-53	(55.47 ±0.25) 2.184 ±.010	(59.44) 2.340	

OBSOLETE PART #S EC NO: UCP2011-0768 DRWN:KIPPER 2010/09/20 CHKD:SSOUSEK APPR:FSM:TH 2011/02/11	REV DESCRIPTION	QUALITY SYMBOLS F _A =0 F _C =0 F _P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
			4 PLACES 3 PLACES 2 PLACES 1 PLACE	± --- ± --- ± --- ± ---	mm INCH	DRAWN BY M.GOONEY CHECKED BY E.FOLAN APPROVED BY M.WILHITE	DATE 2000/10/23 2000/11/09 2000/11/09	TITLE WAFER POLARIZING KK .156 (3.96)/.156,MOLDED FOR (1.14)/.045RD,PIN,W/VOID					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ±---°		SEE CHART		DOCUMENT NO. SDAE-3190-N**		SHEET NO. 2 OF 2				
AC			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								