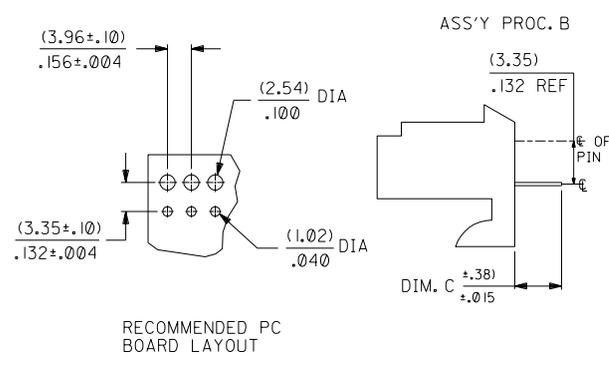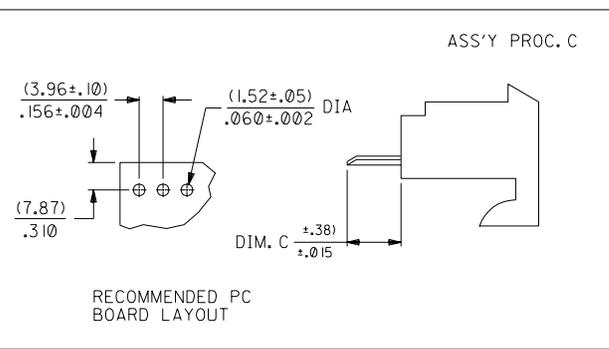NOTES:

1. TERMINALS MUST CONFORM TO SOLDERABILITY SPEC. ES-152.
2. PARTS CONFORM TO PRODUCT SPEC 08-50.
3. HOUSING MATERIAL: NYLON, UL LISTED
4. "✻" PRECEDING ENG. NO. IN CHARTS DESIGNATES STANDARD PRODUCT.
5. TERMINAL TAIL CENTERLINES ARE TO BE WITHIN (.30)/.012 OF EACH OTHER.
6. FOR KINKED PIN INFORMATION SEE SMES-42329-✻✻✻.
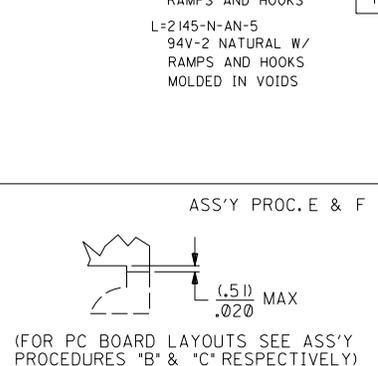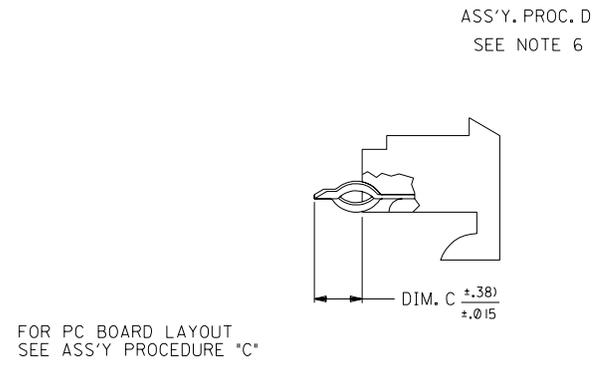
ASS'Y PROC. A

(11.4±.5)
.45±.02

(10.41)
.410 MIN PIN INSERTION DEPTH

(3.96±.10)
.156±.004

(1.52±.05) DIA
.060±.002

(7.87)
.310

DIM. C ±.38 / ±.015

(4.63)
.182

.045/(1.14) SQ OR RD. PIN TYP

RECOMMENDED PC BOARD LAYOUT

SEE NOTE 5 (ALL ASS'Y. PROC.)

DIM. B REF.

DIM. A

(1.93±.08)
.076±.003

(3.96) TYP
.156

(6.35)
.250

(3.9)
.15

MOLEX

CKT. #1

ASS'Y PROC. B

(3.96±.10)
.156±.004

(2.54) DIA
.100

(3.35)
.132 REF

(3.35±.10)
.132±.004

(1.02) DIA
.040

℄ OF PIN
℄

DIM. C ±.38 / ±.015

RECOMMENDED PC BOARD LAYOUT

ASS'Y PROC. C

(3.96±.10)
.156±.004

(1.52±.05) DIA
.060±.002

(7.87)
.310

DIM. C ±.38 / ±.015

RECOMMENDED PC BOARD LAYOUT

ASS'Y. PROC. D
SEE NOTE 6

FOR PC BOARD LAYOUT SEE ASS'Y PROCEDURE "C"

ASS'Y PROC. E & F

(.51) MAX
.020

(FOR PC BOARD LAYOUTS SEE ASS'Y PROCEDURES "B" & "C" RESPECTIVELY)

Part Number Breakdown

A - 2145 - ✻✻ N ✻✻✻ - ✻

VOID LOCATION

PACKAGING CODE

BLANK=BULK PACK
A=TUBE PACK PER PK-40873-0026

PLATING

(102) 200 M.I. MIN TIN OVER 100 M.I. MIN COPPER
(587) SELECT GOLD 15 M.I. MIN
SELECT TIN-LEAD 75 M.I. MIN. OVER 50 M.I. MIN NICKEL

TERMINAL NO.

A=2144-AA-A1AA(✻)B   (BRASS)
B=2144-BA-A1AA(✻)B   (PHOS BRONZE)
C=2144-AA-A2AA(✻)B   (BRASS)
D=2144-BA-A2AA(✻)B   (PHOS BRONZE)
E=6298-A(✻)   (PHOS BRONZE) LOW FORCE
H=2188-(✻)   (BRASS)
J=2188-1(✻)   (BRASS)
K=4244-(✻)   (BRASS)
L=6298-(✻)   (PHOS BRONZE)
M=2144-BA-B1AA(✻)B   (PHOS BRONZE) LOW FORCE
N=4244-A(✻)   (PHOS BRONZE)

NO. OF CKTS.

HOUSING NO.

A=2145-N-AN
  94V-2 NATURAL WITH RAMPS AND HOOKS

B=2145-NBK-AN
  94V-2 DYED BLACK WITH RAMPS AND HOOKS

C=2145-A-AN
  94V-0 NATURAL WITH RAMPS AND HOOKS

G=2145-N-CN
  94V-2 NATURAL WITH HOOKS ONLY

H=2145-NGN-AN
  94V-2 DYED GREEN WITH RAMPS AND HOOKS

J=2145-NYW-AN
  94V-2 DYED YELLOW WITH RAMPS AND HOOKS

K=2145-NRD-AN
  94V-2 DYED RED WITH RAMPS AND HOOKS

L=2145-N-AN-5
  94V-2 NATURAL W/ RAMPS AND HOOKS MOLDED IN VOIDS

ASS'Y. PROCEDURE

A=RIGHT ANGLE
B=BOTTOM ENTRY
C=TOP ENTRY
D=TOP ENTRY WITH KINKED TAIL
E=BOTTOM ENTRY WITH HOOKS CUT OFF
F=TOP ENTRY WITH HOOKS CUT OFF

Dimension Chart

NO. OF CKTS.	DIM. A	DIM. B	KINK PIN LOCATION (ASSY. PROC. D ONLY)
2	(3.96 ± .13) / .156 ± .005	(7.82) / .308	N/A
3	(7.92 ± .13) / .312 ± .005	(11.79) / .464	N/A
4	(11.89 ± .13) / .468 ± .005	(15.75) / .620	1, 2 / 3, 4
5	(15.85 ± .13) / .624 ± .005	(19.71) / .776	2, 3 / 4, 5
6	(19.81 ± .13) / .780 ± .005	(23.67) / .932	2, 3 / 4, 5
7	(23.77 ± .25) / .936 ± .010	(27.64) / 1.088	2, 3 / 5, 6
8	(27.74 ± .25) / 1.092 ± .010	(31.60) / 1.244	2, 3 / 6, 7
9	(31.70 ± .25) / 1.248 ± .010	(35.56) / 1.400	2, 3 / 7, 8
10	(35.66 ± .25) / 1.404 ± .010	(39.52) / 1.556	2, 3 / 8, 9
11	(39.62 ± .25) / 1.560 ± .010	(43.48) / 1.712	2, 3 / 9, 10
12	(43.59 ± .25) / 1.716 ± .010	(47.45) / 1.868	2, 3 / 10, 11
13	(47.55 ± .25) / 1.872 ± .010	(51.41) / 2.024	2, 3 / 11, 12
14	(51.51 ± .36) / 2.028 ± .014	(55.37) / 2.180	2, 3 / 12, 13
15	(55.47 ± .36) / 2.184 ± .014	(59.33) / 2.336	2, 3 / 13, 14
16	(59.44 ± .36) / 2.340 ± .014	(63.30) / 2.492	2, 3 / 14, 15

Revision Table

20	U	10	U
19	T	9	T
18	U7	8	T
17	M	7	U3
16	T6	6	U
15	T	5	U
14	T2	4	U
13	U6	3	U
12	U5	2	U
11	R3	1	U7

2145

MFG. / SH. / REV.

℄ = 0   ▼ = 0   REVISE ONLY ON CAD SYSTEM

ENG. NO.	HOUSING NO.	TERMINAL NO.	DIM. C		EDP ON SHT/COL	
A-2145-AANA(102)-*	2145-N-AN	2144-AA-A1AA-102B	(3.68)	/.145	7	/1
A-2145-AANA(122)-*	2145-N-AN	2144-AA-A1AA-122B	(3.68)	/.145	7	/2
A-2145-AANA(505)-*	2145-N-AN	2144-AA-A1AA-505B	(3.68)	/.145	7	/3
A-2145-AANA(507)-*	2145-N-AN	2144-AA-A1AA-507B	(3.68)	/.145	7	/4
A-2145-AANB(558)-*	2145-N-AN	2144-BA-A1AA-558B	(3.68)	/.145	8	/1
A-2145-AANA(P913)-*	2145-N-AN	2144-AA-A1AA-P913B	(3.68)	/.145	8	/2
A-2145-ABNA(122)-*	2145-NBK-AN	2144-AA-A1AA-122B	(3.68)	/.145	8	/3
A-2145-ABNA(P913)-*	2145-NBK-AN	2144-AA-A1AA-P913B	(3.68)	/.145	8	/4
A-2145-AANA(587)-*	2145-N-AN	2144-AA-A1AA-587B	(3.68)	/.145	9	/1
A-2145-AGNA(P913)-*	2145-N-CN	2144-AA-A1AA-587B	(3.68)	/.145	9	/2
A-2145-BANH(102)-*	2145-N-AN	2188-(102)	(4.06)	/.160	9	/3
A-2145-BANH(122)-*	2145-N-AN	2188-(122)	(4.06)	/.160	9	/4
A-2145-BANL(P913)-*	2145-N-AN	6298-(P913)	(4.06)	/.160	10	/1
A-2145-BANL(565)-*	2145-N-AN	6298-(565)	(4.06)	/.160	10	/2
A-2145-BBNH(122)-*	2145-NBK-AN	2188-(122)	(4.06)	/.160	10	/3
A-2145-CANA(102)-*	2145-N-AN	2144-AA-A1AA-102B	(3.05)	/.120	10	/4
A-2145-CANA(122)-*	2145-N-AN	2144-AA-A1AA-122B	(3.05)	/.120	11	/1
A-2145-CANB(565)-*	2145-N-AN	2144-BA-A1AA-565B	(3.05)	/.120	11	/2
A-2145-CANC(P913)-*	2145-N-AN	2144-AA-A2AA-P913B	(4.80)	/.189	11	/3
A-2145-FGNA(587)-*	2145-N-CN	2144-AA-A1AA-587B	(3.05)	/.120	11	/4
A-2145-FANA(P913)-*	2145-N-AN	2144-AA-A1AA-P913B	(3.05)	/.120	12	/1
A-2145-DANC(P913)-*	2145-N-AN	2144-AA-A2AA-P913B	(4.80)	/.189	12	/2
A-2145-BBNH(P913)-*	2145-NBK-AN	2188-(P913)	(4.06)	/.160	12	/3
A-2145-CBNA(P913)-*	2145-NBK-AN	2144-AA-A1AA-P913B	(3.05)	/.120	12	/4
A-2145-FGNA(550)-*	2145-N-CN	2144-AA-A1AA-550B	(3.05)	/.120	13	/1
A-2145-BANH(P913)-*	2145-N-AN	2188-(P913)	(4.06)	/.160	13	/2
A-2145-BANH(587)-*	2145-N-AN	2188-(587)	(4.06)	/.160	13	/3
A-2145-FANA(503)-*	2145-N-AN	2144-AA-A1AA-503B	(3.05)	/.120	13	/4
A-2145-EANK(P913)-*	2145-N-AN	2188-(P913)	(4.06)	/.160	14	/1
A-2145-AANK(P913)-*	2145-N-AN	4244-(P913)	(3.68)	/.145	14	/2
A-2145-ABNK(P913)-*	2145-NBK-AN	4244-(P913)	(3.68)	/.145	14	/3
A-2145-ABNA(587)-*	2145-NBK-AN	2144-AA-A1AA-587B	(3.68)	/.145	14	/4
A-2145-AANA-(109)-*	2145-N-AN	2144-AA-A1AA-109B	(3.68)	/.145	15	/1
A-2145-CANA(P913)-*	2145-N-AN	2144-AA-A1AA-P913B	(3.05)	/.120	15	/2
A-2145-AANB(122)-*	2145-N-AN	2144-BA-A1AA(122)B	(3.68)	/.145	15	/3
A-2145-BANL(122)-*	2145-N-AN	6298-(122)	(4.06)	/.160	15	/4
A-2145-CANB(122)-*	2145-N-AN	2144-BA-A1AA(122)B	(3.05)	/.120	16	/1
A-2145-EGNH(P913)-*	2145-N-CN	2188-(P913)	(4.06)	/.160	16	/2
A-2145-FGNA(P913)-*	2145-N-CN	2144-AA-A1AA-P913B	(3.05)	/.120	16	/3
A-2145-CANA(587)-*	2145-N-AN	2144-AA-A1AA-587B	(3.05)	/.120	16	/4
A-2145-BHNH(122)-*	2145-NGN-AN	2188-(122)	(4.06)	/.160	17	/1
A-2145-BJNH(122)-*	2145-NYW-AN	2188-(122)	(4.06)	/.160	17	/2
A-2145-BKNH(122)-*	2145-NRD-AN	2188-(122)	(4.06)	/.160	17	/3
				/		/

2145

| A-2145-AANA(587)-* | | | A-2145-AGNA(P913)-* | | | A-2145-BANH(102)-* | | | A-2145-BANH(122)-* | | |
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.
09-62-3021	-AA2A(587)			-AG2A(P913)			-BA2H(102)			-BA2H(122)	
09-62-3031	-AA3A(587)			-AG3A(P913)			-BA3H(102)			-BA3H(122)	
09-62-3041	-AA4A(587)			-AG4A(P913)		09-52-1042	-BA4H(102)		09-86-3042	-BA4H(122)	
09-62-3051	-AA5A(587)			-AG5A(P913)			-BA5H(102)			-BA5H(122)	
09-62-3061	-AA6A(587)			-AG6A(P913)			-BA6H(102)			-BA6H(122)	
09-62-3071	-AA7A(587)			-AG7A(P913)			-BA7H(102)		09-86-3072	-BA7H(122)	
09-62-3081	-AA8A(587)			-AG8A(P913)			-BA8H(102)		09-86-3082	-BA8H(122)	
09-62-3091	-AA9A(587)		09-52-2097	-AG9A(P913)		09-52-1092	-BA9H(102)		09-86-3092	-BA9H(122)	
09-62-3101	-AA10A(587)			-AG10A(P913)			-BA10H(102)		09-86-3102	-BA10H(122)	
09-62-3111	-AA11A(587)			-AG11A(P913)			-BA11H(102)		09-86-3112	-BA11H(122)	
09-62-3121	-AA12A(587)			-AG12A(P913)			-BA12H(102)		09-86-3122	-BA12H(122)	
09-62-3131	-AA13A(587)			-AG13A(P913)			-BA13H(102)			-BA13H(122)	
09-62-3141	-AA14A(587)			-AG14A(P913)			-BA14H(102)			-BA14H(122)	
09-62-3151	-AA15A(587)			-AG15A(P913)		09-52-1152	-BA15H(102)		09-86-3152	-BA15H(122)	
	-AA16A(587)			-AG16A(P913)			-BA16H(102)			-BA16H(122)	

| COLUMN NO. 1 | CON'T. IN COLUMN NO. | SHEET NO. | COLUMN NO. 2 | CON'T. IN COLUMN NO. | SHEET NO. | COLUMN NO. 3 | CON'T. IN COLUMN NO. | SHEET NO. | COLUMN NO. 4 | CON'T. IN COLUMN NO. | SHEET NO. |

LTR.	REVISIONS	LTR.	REVISIONS
	SEE SHEET 1	M7	SEE SHEET 1
	SEE SHEET 1	M1	SEE SHEET 1
	SEE SHEET 1	M	SEE SHEET 1
	SEE SHEET 1	D8	SEE SHEET 1
T	SEE SHEET 1	D1	SEE SHEET 1
S	SEE SHEET 1	D	SEE SHEET 1
P	SEE SHEET 1	A	SEE SHEET 1

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED
TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	±	±
2 PLACE	±	±
1 PLACE		±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY PEREZ-ARGUETA   CHK'D. BY PATEL   APP'D. BY LENZ   SCALE :

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2145 SERIES DRAWING

MOLEX INCORPORATED   LISLE, ILL. 60532 U.S.A.

SHEET NO. 9   DATE 7 /9 /87

PART NO. SEE CHART   DRWG. NO. SDA-2145

FILE NAME S2145X9   DIV. C   SIZE C

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