

9 8 7 6 5 4 3 2 1

NO. OF CKTS. DIM. A DIM. B

1 (2.44 ± .15) .096 ± .006

2 (4.98 ± .15) .196 ± .006 (2.54 ± .10) .100 ± .004

3 (7.52 ± .15) .296 ± .006 (5.08 ± .10) .200 ± .004

4 (10.06 ± .15) .396 ± .006 (7.62 ± .10) .300 ± .004

5 (12.60 ± .18) .496 ± .007 (10.16 ± .13) .400 ± .005

6 (15.14 ± .18) .596 ± .007 (12.70 ± .13) .500 ± .005

7 (17.68 ± .20) .696 ± .008 (15.24 ± .15) .600 ± .006

8 (20.22 ± .20) .796 ± .008 (17.78 ± .15) .700 ± .006

9 (22.76 ± .20) .896 ± .008 (20.32 ± .15) .800 ± .006

10 (25.30 ± .25) .996 ± .010 (22.86 ± .20) .900 ± .008

11 (27.84 ± .25) 1.096 ± .010 (25.40 ± .20) 1.000 ± .008

12 (30.38 ± .25) 1.196 ± .010 (27.94 ± .20) 1.100 ± .008

13 (32.92 ± .25) 1.296 ± .010 (30.48 ± .20) 1.200 ± .008

14 (35.46 ± .25) 1.396 ± .010 (33.02 ± .20) 1.300 ± .008

15 (38.00 ± .28) 1.496 ± .011 (35.56 ± .23) 1.400 ± .009

16 (40.54 ± .28) 1.596 ± .011 (38.10 ± .23) 1.500 ± .009

17 (43.08 ± .28) 1.696 ± .011 (40.64 ± .23) 1.600 ± .009

18 (45.62 ± .28) 1.796 ± .011 (43.18 ± .23) 1.700 ± .009

19 (48.16 ± .28) 1.896 ± .011 (45.72 ± .23) 1.800 ± .009

20 (50.70 ± .30) 1.996 ± .012 (48.26 ± .25) 1.900 ± .010

ASS'Y. PROC. A RIGHT ANGLE

(2.54 ± 0.05) .100 ± .002 TYP. NON ACCUM.

(1.07 ± 0.05) .042 ± .002 DIA. HOLE TYP.

RECOMMENDED P.C. BOARD LAYOUT FOR ASS'Y. PROC. A

ASS'Y. PROC. B BOTTOM ENTRY

(3.81 ± 0.10) TYP. .150 ± .004

(1.78 ± 0.25) .070 ± .010 DIA. HOLE TYP. CLEARANCE

RECOMMENDED P.C. BOARD LAYOUT FOR ASS'Y. PROC. B

ASS'Y. PROC. C TOP ENTRY

(2.51) REF. .099

(1.09) REF. .043

(3.61) REF. .142

RECOMMENDED P.C. BOARD LAYOUT FOR ASS'Y. PROC. C

NOTES:

1. MATERIAL: NYLON, UL 94V-0, COLOR: WHITE

2. FINISH:

(208) - SELECT GOLD: (0.00038)/.000015 MIN., SELECT TIN: (0.00254)/.000100 MIN. OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.

(228) - SELECT GOLD: (0.00076)/.000030 MIN., SELECT TIN: (0.00254)/.000100 MIN. OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.

(231) - SELECT GOLD: (0.00127)/.000050 MIN., SELECT TIN: (0.00254)/.000100 MIN. OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.

(565) - SELECT GOLD: (0.00051)/.000020 MIN., OVERALL NICKEL: (0.00076)/.000030 MIN. OVERALL GOLD FLASH: (0.00005)/.000002 MIN.

(P909) - OVERALL TIN: (0.00254)/.000100 MIN.

3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.

4. PACKAGING: SEE CHARTS.

5. PARTS MUST CONFORM TO SOLDERABILITY SPEC 152.

6. PARTS ARE STACKABLE END TO END ON (2.54)/.100 CENTERS.

7. TYPICAL PCB THICKNESS: (1.57)/.062

8. PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 EXCEPT PROTRUSIONS. PARTS MAY HAVE MORE THAN 2 GATE MARKS.

9. WHEN MATING ASSEMBLIES THAT USE 4455-BN HOUSINGS TO BREAKAWAY FRICTION LOCK OR POLARIZING HEADERS, THE END BACKWALLS MUST BE REMOVED.

10. DIMENSION C MEASURED WITH TERMINAL PUSHED IN AGAINST THE STOP.

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9 8 7 6 5 4 3 2 1

HOUSING NO. 4455-BN SEE NOTE 9

WITH RAMP AND POLARIZING

HOUSING NO. 4455-N2

AVAILABLE ON BOTTOM ENTRY APPLICATIONS ONLY

HOUSING NO. 4455-NR

WITH RAMP

HOUSING NO. 4455-N-02

MOLDED VOID IN CKT 2

HOUSING NO. 4455-N

(0.51) .020 MAX.

HOOKS CUT OPTION AVAILABLE ON TOP ENTRY, SEE CHART

END BACKWALLS MUST BE REMOVED SEE NOTE 9

KK BREAKAWAY FRICTION LOCK OR POLARIZING HEADER

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 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

4 PLACES ± ±

3 PLACES ± ± 0.01

2 PLACES ± 0.25 ± 0.015

1 PLACE ± 0.36 ±

0 PLACES ± ±

ANGULAR TOL ± 0.5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING B-SIZE

SERIES 4455

CURRENT REV DESC: ADDED NEW P/N'S

EC NO: 602687

DRWN: SS06 2018/06/18

CHK'D: ISHWARG 2018/08/13

APPR: ISHWARG 2018/08/13

INITIAL REVISION:

DRWN: SAMIEC 1984/05/10

APPR: LENZ 1984/05/10

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER SDA-4455

DOC TYPE PSD

DOC PART 001

REVISION D16

MATERIAL NUMBER SEE CHART

CUSTOMER GENERAL MARKET

SHEET NUMBER 1 OF 1

Mouser Electronics

Authorized Distributor

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[22-15-4032](#)