

NOTES:

- 1. INSULATOR MATERIAL: SEE PART NUMBER CODING
- CONTACT MATERIAL: SEE PART NUMBER CODING
- PLATING: SEE PART NUMBER CODING
- OPERATING TEMPERATURE: SEE PART NUMBER CODING
- PROCESSING TEMP: SEE PART NUMBER CODING
- 6. UL FLAMMABILITY RATING: 94V-0
- OPERATING VOLTAGE: 700 VAC
- 8. CURRENT RATING: 3 AMP

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- 9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
- 10. INSULATION RESISTANCE: 5000 MEGA OHMS
- 11. DURABILITY: 500 CYCLES MIN
- 12. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE

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- 13. BOARD THICKNESS ACCOMMODATED: .062 ± .008[1.57 ± 0.20]
- 14. INSERTION FORCE: 8 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE
- 15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] TEST BLADE
- 16. MODIFICATION: SEE PART NUMBER CODING

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| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | DRAWN | |
|--|-----------------------------------|-----|
| | | η(|
| TOLERANCES: | THE INFORM PROPRIE SULLINS EL | TAI |
| ANGULAR: ± 1° | TO BE RE | EPF |
| DECIMALS .XX=± .02 [.5] | PURPOSE E AUTHORI OFFICER O | ZE |
| .XXX=± .005 [.13] .XXXX=± .0005 [.013] | | ١ |

3

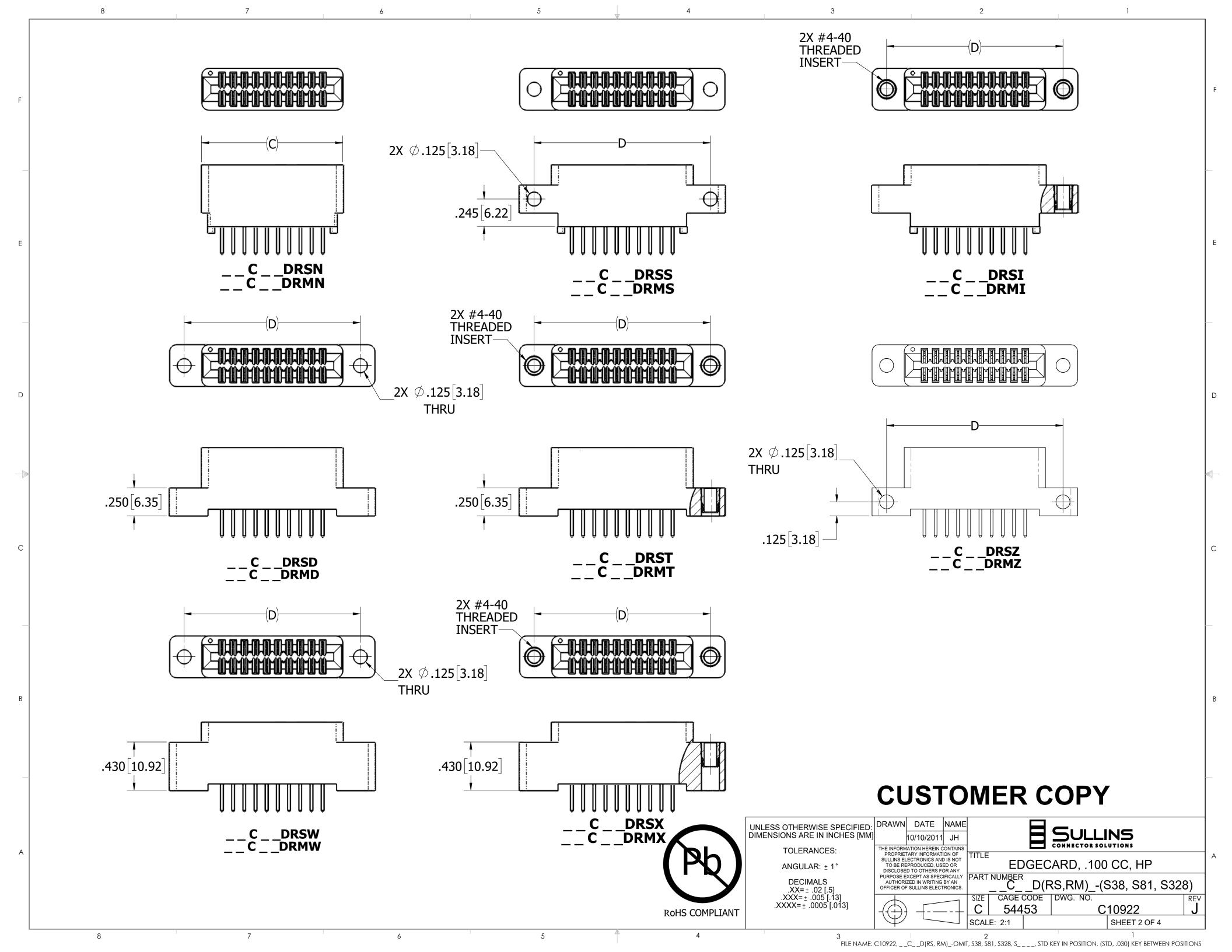
DATE NAME I0/10/2011 JH TION HEREIN CONTAINS RY INFORMATION OF CTRONICS AND IS NOT PRODUCED, USED OR TO OTHERS FOR ANY CCEPT AS SPECIFICALLY ED IN WRITING BY AN SULLINS ELECTRONICS.

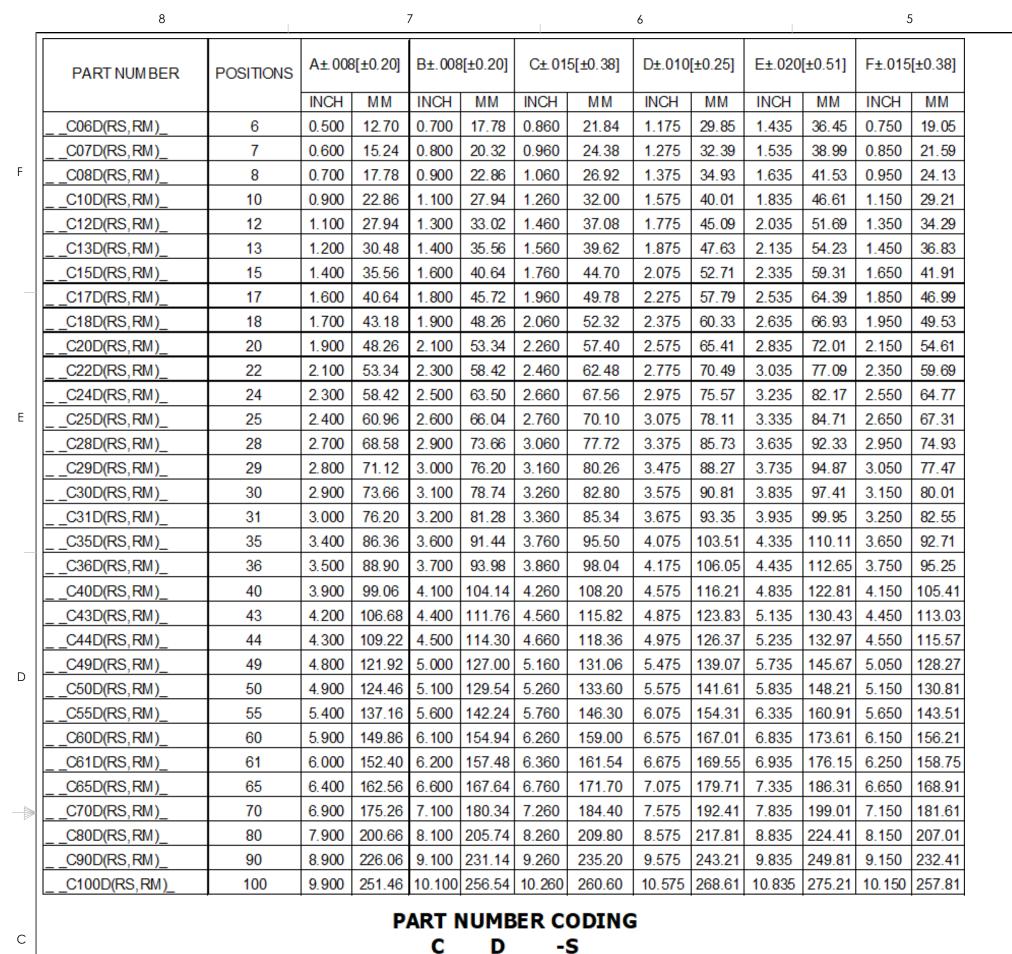
ESULLINS EDGECARD, .100 CC, HP

D(RS,RM)-(S38, S81, S328) CAGE CODE | DWG. NO.

C 54453 C10922 SCALE: 3:1 SHEET 1 OF 4

FILE NAME: C10922, __C__D(RS, RM)_-OMIT, S38, S81, S328, S____, STD KEY IN POSITION, (STD, .030) KEY BETWEEN POSITIONS





MATERIALS (INSULATOR / CONTACT)-

E = BLUE PBT/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C

PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY

R = GREEN PPS/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C

PROCESSING TEMP: 260°C MAX FOR 20 SECS

G = BLACK PA9T/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C PROCESSING TEMP: 260°C MAX FOR 20 SECS

H = BLUE PBT/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +125°C

PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY

A = GREEN PPS/ BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C

PROCESSING TEMP: 260°C MAX FOR 20 SECS

J = BLACK PA9T/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C

PROCESSING TEMP: 260°C MAX FOR 20 SECS

$\Gamma = GREEN PPS/BERYLLIUM COPPER$

OPERATING TEMP: -65°C TO +175°C PROCESSING TEMP: 260°C MAX FOR 20 SECS

MODIFICATION

OMIT = STANDARD WITHOUT MOLDED KEY, EX: EBC22DRSN

S38 = BLACK PBT WITHOUT MOLDED KEY (MATERIAL CODE E & HONLY)

S81 = GREEN PBT WITHOUT MOLDED KEY (MATERIAL CODE E & H ONLY)

S328 = BROWN PPS WITHOUT MOLDED KEY (MATERIAL CODE R & A ONLY) SEE DRAWING C13556 FOR STANDARD MOLDED KEY LOCATION, S# AND DIMENSION 'G' & 'H'

SEE PAGE 4 FOR S# AND DIMENSION 'H' FOR .030" WIDE MOLDED KEY BETWEEN POSITIONS

MOUNTING STYLE

H = .125" DIA. CLEARANCE HOLES

#4-40 THREADED INSERT

S = .125'' DIA. SIDE MOUNTING

NO MOUNTING EARS

.250" EARS, FLUSH MOUNTING

.250" EARS, FLUSH MOUNTING WITH # 4-40 THREADED INSERT

.250" EARS, FLUSH MOUNTING WITH .125 DIA SIDE HOLES

W = .430" EARS, FLUSH MOUNTING

.430" EARS, FLUSH MOUNTING WITH # 4-40 THREADED INSERT

PLATING

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ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE

NUMBER OF POSITIONS

(CONTACTS PER ROW)

TERMINATION TYPE

RS= .190" TAIL LENGTH

RM= .560" TAIL LENGTH

6

CONTACT SURFACE

B = .000010'' GOLD

C = .000030" GOLD

G = .000010" GOLD

Y = .000030" GOLD

**E = .000100" PURE TIN, MATTE, OVERALL

S = .000010'' GOLD OVERALL

M = .000030" GOLD

.000010" GOLD OVERALL ** OVERALL PURE TIN ONLY AVAILABLE ON MATERIAL CODES E, R AND G

TERMINATION

.000005" GOLD

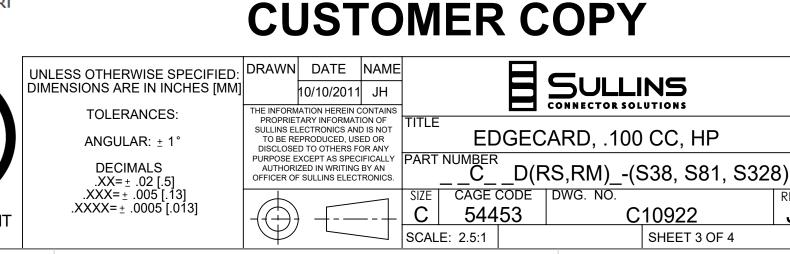
.000005" GOLD

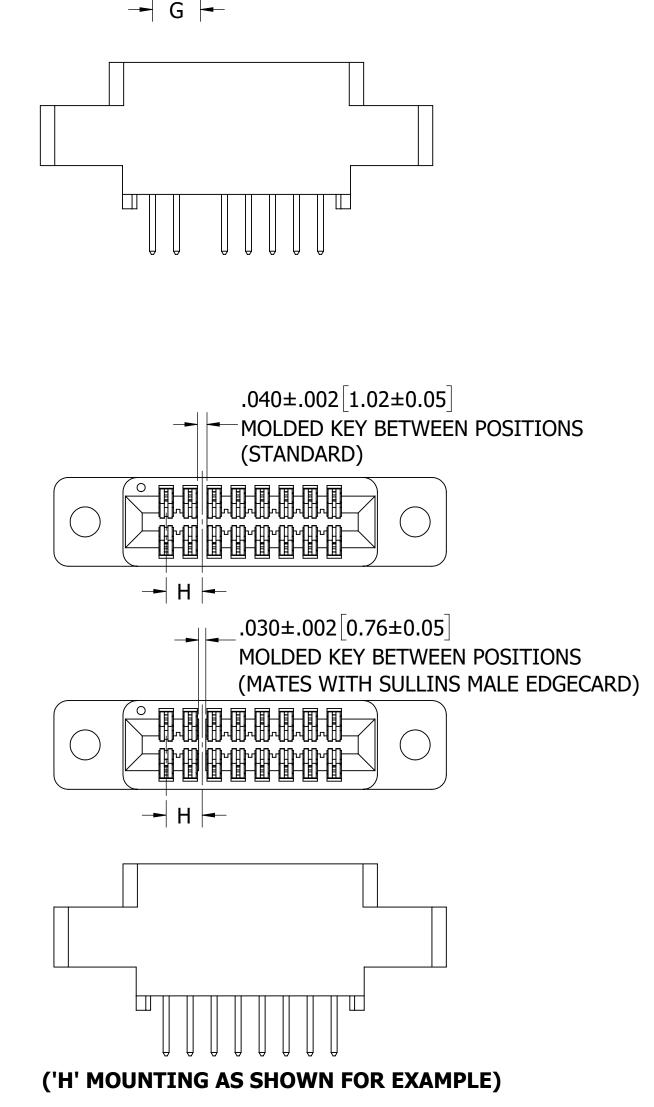
.000100" PURE TIN, MATTE

.000100" PURE TIN, MATTE









.060±.002 1.52±0.05

MOLDED KEY IN POSITION

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LOCATION TABLE FOR .030" WIDE KEY BETWEEN POSITIONS***

| MOLDED KEY BETWEEN POSITIONS | H±.008[±0.20] | | MODIFICATION NUMBER (S#) FOR STD COLOR WITH |
|------------------------------|---------------|--------|---|
| | INCH | ММ | .030" WIDE KEY BETWEEN POSITIONS ONL |
| 1 & 2 | 0.050 | 1.27 | |
| 2 & 3 | 0.150 | 3.81 | S1663 |
| 3 & 4 | 0.250 | 6.35 | |
| 4 & 5 | 0.350 | 8.89 | |
| 5 & 6 | 0.450 | 11.43 | S2381 |
| 6 & 7 | 0.550 | 13.97 | |
| 7 & 8 | 0.650 | 16.51 | |
| 8 & 9 | 0.750 | 19.05 | |
| 9 & 10 | 0.850 | 21.59 | |
| 10 & 11 | 0.950 | 24.13 | |
| 11 & 12 | 1.050 | 26.67 | |
| 12 & 13 | 1.150 | 29.21 | |
| 13 & 14 | 1.250 | 31.75 | \$1951 |
| 14 & 15 | 1.350 | 34.29 | |
| 15 & 16 | 1.450 | 36.83 | |
| 16 & 17 | 1.550 | 39.37 | |
| 17 & 18 | 1.650 | 41.91 | |
| 18 & 19 | 1.750 | 44.45 | |
| 19 & 20 | 1.850 | 46.99 | |
| 20 & 21 | 1.950 | 49.53 | |
| 21 & 22 | 2.050 | 52.07 | |
| 22 & 23 | 2.150 | 54.61 | |
| 23 & 24 | 2.250 | 57.15 | |
| 24 & 25 | 2.350 | 59.69 | |
| 25 & 26 | 2.450 | 62.23 | |
| 26 & 27 | 2.550 | 64.77 | |
| 27 & 28 | 2.650 | 67.31 | |
| 28 & 28 | 2.750 | 69.85 | |
| 29 & 30 | 2.850 | 72.39 | |
| 30 & 31 | 2.950 | 74.93 | |
| 31 & 32 | 3.050 | 77.47 | |
| 32 & 33 | 3.150 | 80.01 | |
| 33 & 34 | 3.250 | 82.55 | |
| 34 & 35 | 3.350 | 85.09 | |
| 35 & 36 | 3.450 | 87.63 | |
| 36 & 37 | 3.550 | 90.17 | |
| 37 & 38 | 3.650 | 92.71 | |
| 38 & 39 | 3.750 | 95.25 | |
| 39 & 40 | 3.850 | 97.79 | |
| 40 & 41 | 3.950 | 100.33 | |
| 41 & 42 | 4.050 | 102.87 | |
| 42 & 43 | 4.150 | 105.41 | 1 |
| 43 & 44 | 4.250 | 107.95 | 1 |
| 44 & 45 | 4.350 | 110.49 | |
| 45& 46 | 4.450 | 113.03 | <u> </u> |
| 46 & 47 | 4.550 | 115.57 | 1 |
| 47 & 48 | 4.650 | 118.11 | <u> </u> |
| 48 & 49 | 4.750 | 120.65 | |
| 49 & 50 | 4.850 | 123.19 | |
| 50 & 51 | 4.950 | 125.73 | <u> </u> |
| 51 & 52 | 5.050 | 128.27 | 1 |
| 52 & 53 | 5.150 | 130.81 | |
| 53 & 54 | 5.250 | 133.35 | |
| 54 & 55 | 5.350 | 135.89 | |
| 55 & 56 | 5.450 | 138.43 | |
| 56 & 57 | 5.550 | 140.97 | <u> </u> |
| 57 & 58 | 5.650 | 143.51 | <u> </u> |
| 58 & 59 | 5.750 | 146.05 | |

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TOLERANCES: ANGULAR: ± 1° DECIMALS .XX=± .02 [.5] .XXX=± .005 [.13] .XXXX=± .0005 [.013]

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SCALE: 4:1 SHEET 4 OF 4

***CONNECTOR TOTAL POSITIONS MUST BE AT LEAST ONE POSITION LONGER THAN KEY LOCATION