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IDSS-03-D-18.00

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sales@integrated-circuit.com

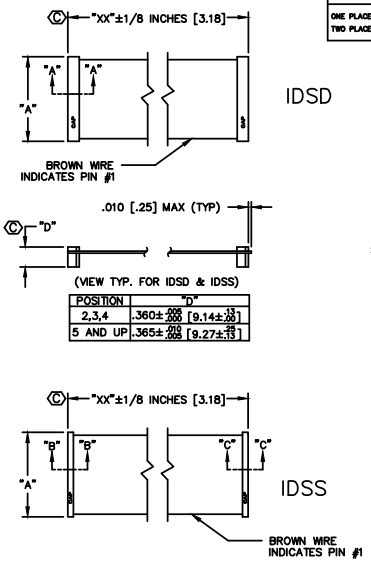
REVISION Y

DO NOT SCALE FROM THIS PRINT

UNLESS OTHERWISE NOTED
DIMENSIONS ARE IN INCHES — TOLERANCES ARE:
ONE PLACE DECIMALS: ± .1 [.3] — THREE PLACE DECIMALS: ± .005 [.13] — ANGLES ± 5°
TWO PLACE DECIMALS: ± .01 [.3] — FOUR PLACE DECIMALS: ± .0020 [.051]

TITLE: ASSEMBLY INSULATION DISPLACEMENT SOCKET CONNECTOR

DWG NO: IDSX-XX-X-XX-XXX-XXX SHEET OF 2



POSITION	"D"
2,3,4	.360±.005/.000 [9.14±.13/.00]
5 AND UP	.365±.010/.000 [9.27±.25/.00]

IDSX–XX–X–XX.XX–XXX–XXX

ROW SPECIFICATION
–S: SINGLE ROW
–D: DOUBLE ROW

NO. OF CONDUCTORS
(–02 THRU –36 PER ROW)
USE CABLE: CB–XX–28–7/36–050–C (IDSD)
USE CABLE: CB–XX–28–7/36–100–C (IDSS)
IDSD FULL STRIP: "A"=3.650±.005 [92.71±.13] REF
CUT STRIP: "A"±.005/.000 [.13/.00]= ("XX" x .100 [2.54])+.059 [1.50]
IDSS FULL STRIP: "A"=3.610±.005 [91.69±.13] REF
CUT STRIP: "A"±.005/.000 [.13/.00]= ("XX" x .100 [2.54])+.019 [.48]
* NOTE: STANDARD COLOR–CODED CABLE N/A FOR DOUBLE ROW 31 THRU 36 POSITION – SEE –G OPTION.

END ASSEMBLY SPECIFICATIONS
–S: (SINGLE) ONE IDC ASSEMBLY
–D: (DOUBLE) TWO IDC ASSEMBLIES

OPTION SPECIFICATION
SEE SHEET 2

OPTION SPECIFICATION
SEE SHEET 2

LENGTH OF CABLE
MEASURED IN INCHES

NOTES
1. OPTION –SXX WHEN MATING DOUBLE ROW CONNECTOR WITH 2 SINGLE ROW CONNECTORS, THE OUTER MOST SINGLE WILL BE CONNECTED TO CONDUCTOR #1 AND THE INSIDE SINGLE TO CONDUCTOR #2.
2. USING A #32 MICRO FINISHED .025±.0005 [.64±.013] SQ POST, INSERTION / WITHDRAWAL FORCES TO BE: INSERTION: 4.0 OZ [114 GRAMS] AVG / 6.0 OZ [170 GRAMS] MAX WITHDRAWAL: 2.75 OZ [78.0 GRAMS] AVG / 2.0 OZ [57 GRAMS] MIN.
3. MAX ALLOWABLE BOW AFTER ASSEMBLY TO BE .006 INCH/INCH [MM/MM].
4. (◇) REPRESENTS CRITICAL DIMENSION FOR STATISTICAL PROCESS CONTROL.
5. A CHAMFER ON THE END OF THE CAP IS GUARANTEED ON FINAL ASSEMBLIES THAT ARE AT LEAST 18 POSITIONS FOR MALE AND FEMALE TERMINATION.
6. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
7. ALL ASSEMBLIES TO BE 100% HI–POT TESTED AT 1000V.
8. WIRE: 28 AWG, 7/36, TINNED, STRANDED WITH PVC INSULATOR
9. FOR IDSX WITH R OR RW OPTION, CABLE RIB ORIENTATION CAN BE EITHER TOWARDS OR AWAY FROM THE CAP.
10. WHEN CUTTING CABLE TO LENGTH, CONDUCTORS SHOULD NOT EXTEND PAST THE CABLE INSULATION, EXTENDING LESS THAN 25% OF CABLE THICKNESS ON CONSECUTIVE AND LESS THAN 50% OF CABLE THICKNESS ON NON–CONSECUTIVE STRANDS IS CONSIDERED A PROCESS INDICATOR.

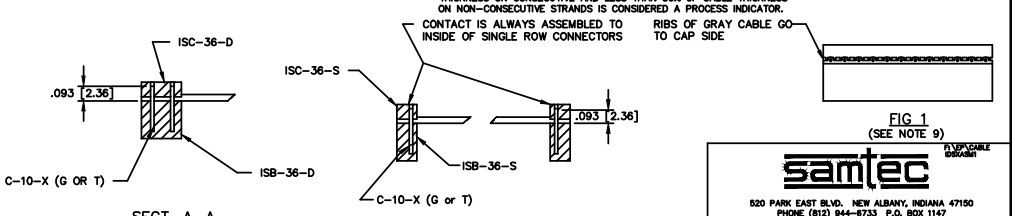


FIG 1
(SEE NOTE 9)

PROPRIETARY NOTE
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samtec
520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
PHONE (812) 944–6733 P.O. BOX 1147
CODE 55322

MADE BY: PURVIS 11–02–88

IDSX–XX–X–XX–XXX–XXX SHEET 1 OF 2