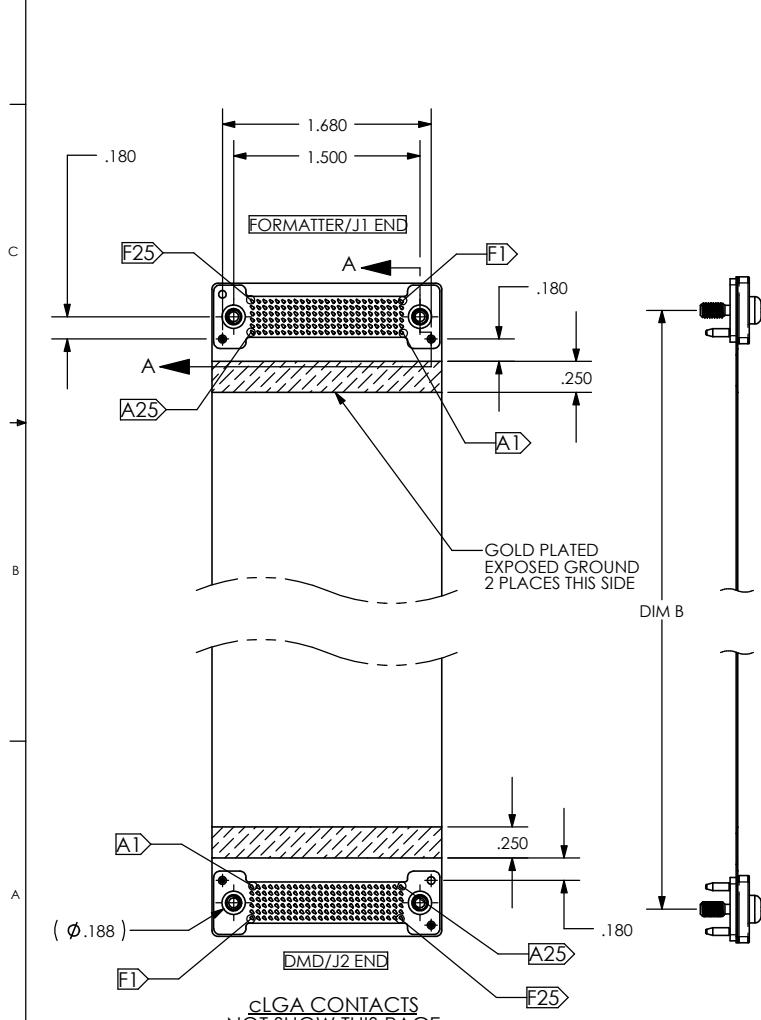
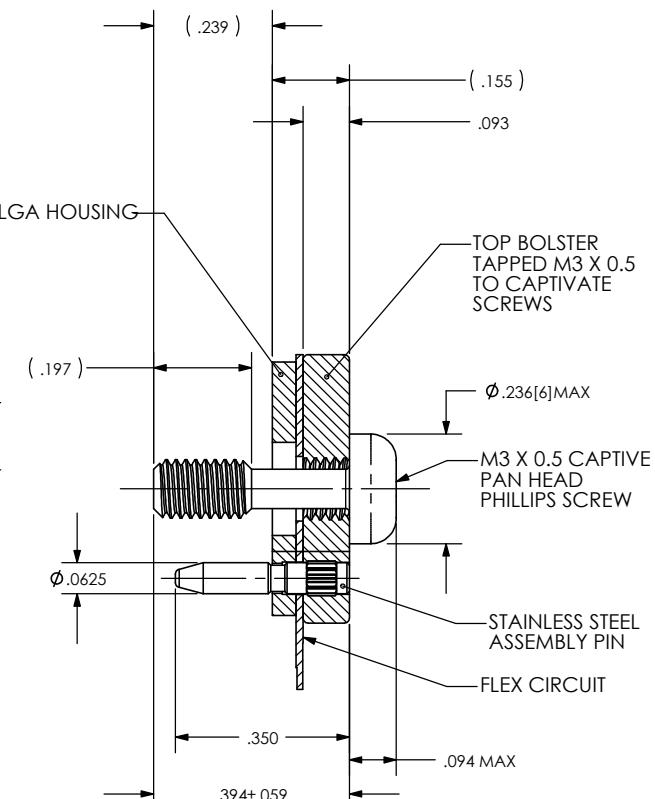
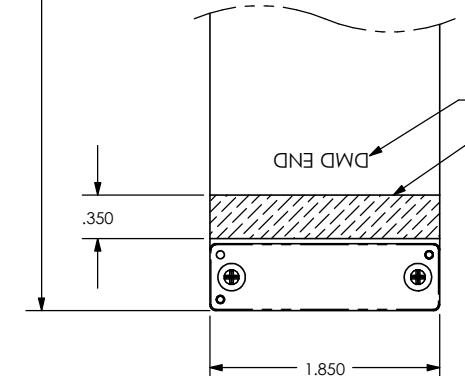
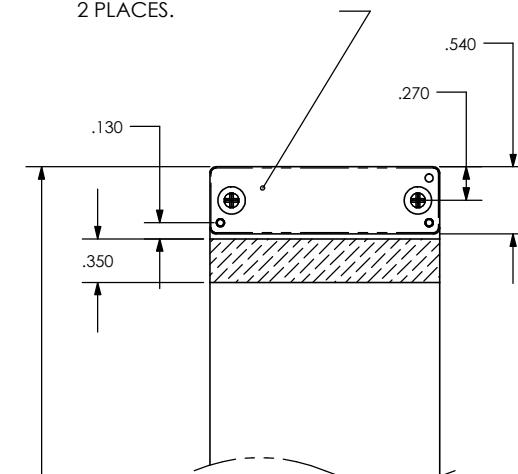


**150 POSITION cSTACK FLEX ASSEMBLY:
TWO 8397-002 REQUIRED PER FLEX ASSEMBLY (8394-00X)**

PART NUMBER	DIM A	DIM B
8394-001	5.20	4.300
8394-002	12.20	11.300



HARDWARE CONNECTED
TO GROUND WHEN MATED,
2 PLACES.



SECTION A-A
SCALE 4 : 1

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ALL DIMENSIONS AND TOLERANCES PER

INSPECTION	TOLERANCE UNLESS SPECIFIED OTHERWISE
◊ FIRST PIECE	2PLC $\pm .01$
△ SPC	3PLC $\pm .00$

INT PROCESS 4FLC ± .00
ANGLES ± 1°

InterCom
Systems

INTERCON SYSTEMS INC.
HARRISBURG, PA 17110

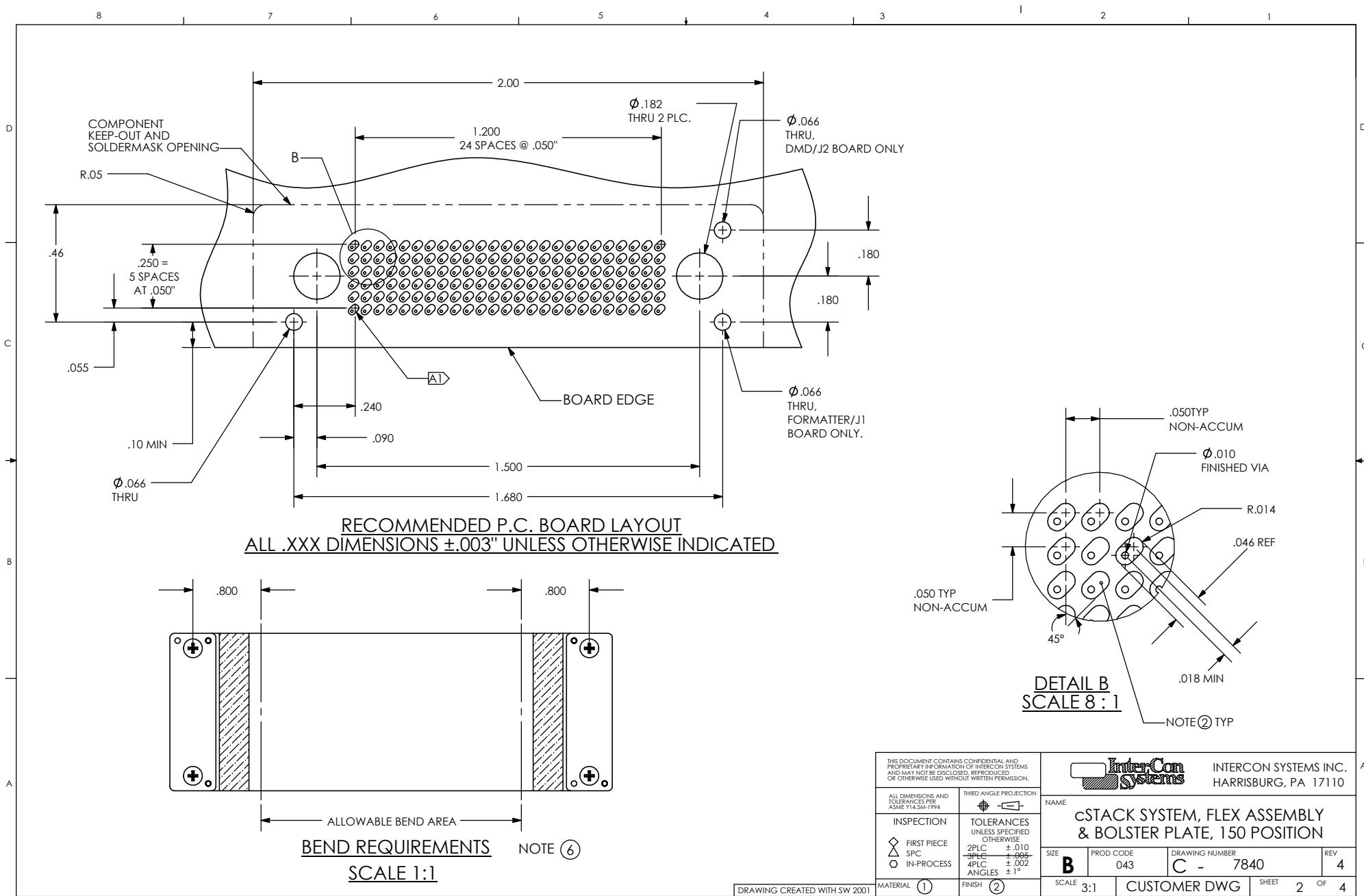
NAME _____
**cSTACK SYSTEM, FLEX ASSEMBLY
& BOLSTER PLATE, 150 POSITION**

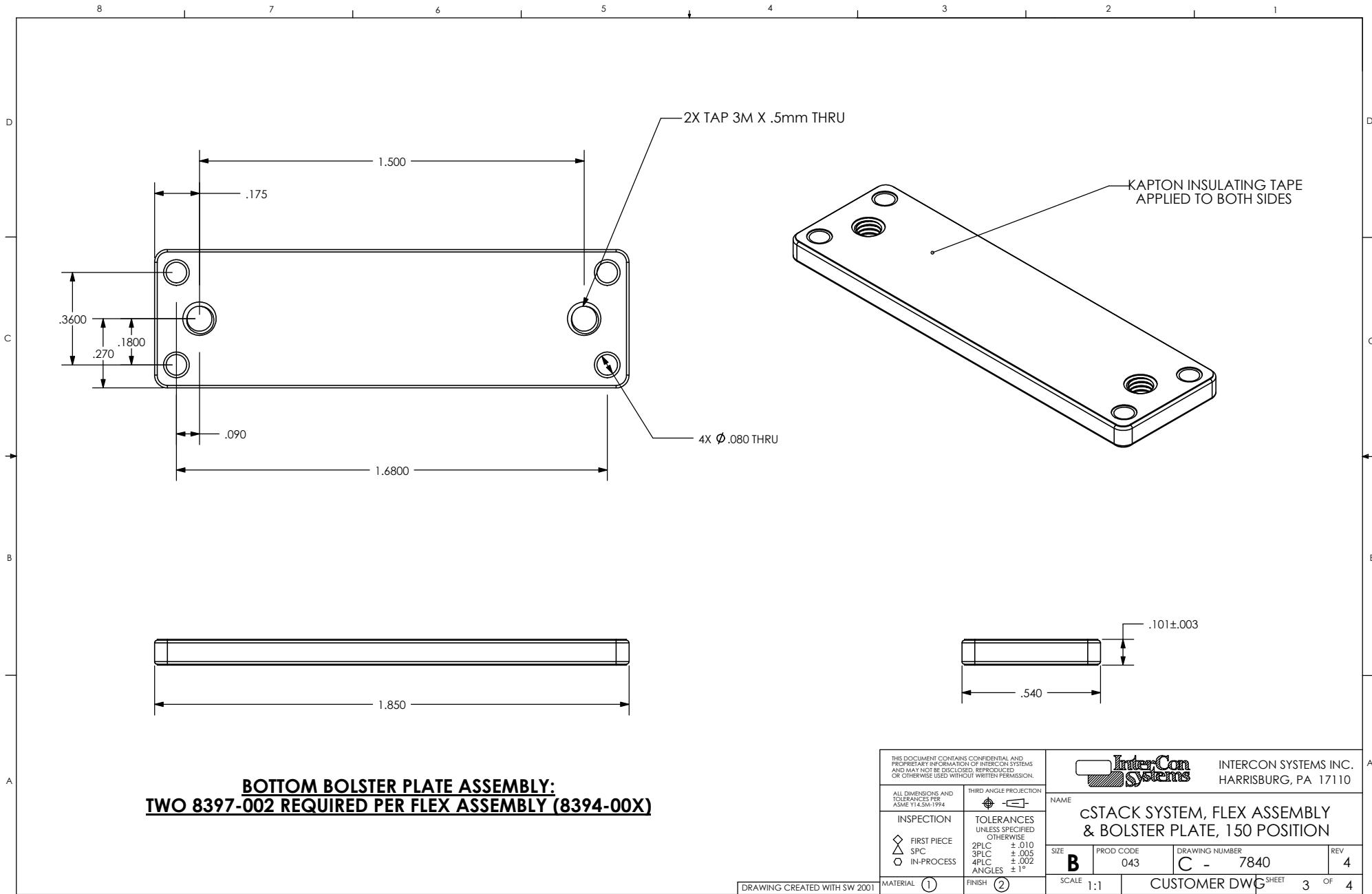
SIZE B	PROD CODE 043	DRAWING NUMBER C - 7840	REF
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SCALE 1:1 CUSTOMER DWG SHEET 1 OF

2 1 1

Model name: Flex Assy Drawing name: 7840c Model type: SLDRPT





PART NUMBER
SEE TABLE

NETLIST:

NET	PIN	PIN
DDAP13	J1.A02	J2.E24
DDAP9	J1.A04	J2.E22
DDAP7	J1.A06	J2.E20
DDAP3	J1.A08	J2.E18
SCPDO	J1.A10	J2.E16
MBRST15	J1.A12	J2.E14
MBRST10	J1.A14	J2.E12
MBRST13	J1.A16	J2.E10
DBP3	J1.A18	J2.E08
DBP7	J1.A20	J2.E06
DBP9	J1.A22	J2.E04
DBP13	J1.A24	J2.E02

NET	PIN	PIN
DDAN11	J1.C03	J2.E23
DCLKAN	J1.C05	J2.E21
DDAN5	J1.C07	J2.E19
DDAN1	J1.C09	J2.E17
DMDSELZ	J1.C11	J2.E15
MBRST1	J1.C13	J2.F13
MBRST7	J1.C15	J2.E11
DBBN1	J1.C17	J2.E09
DBBN5	J1.C19	J2.E07
DCLKBN	J1.C21	J2.E05
DBBN11	J1.C23	J2.E03
DBBN15	J1.C25	J2.E01

DDAN13	J1.B02	J2.D24
DDAP11	J1.B03	J2.F23
DDAN9	J1.B04	J2.D22
DCLKAP	J1.B05	J2.F21
DDAN7	J1.B06	J2.D20
DDAP5	J1.B07	J2.F19
DDAN3	J1.B08	J2.D18
DDAP1	J1.B09	J2.F17
SCPCCLK	J1.B10	J2.D16
DMDSPARE1	J1.B11	J2.F15
MBRST14	J1.B12	J2.D14
MBRST6	J1.B14	J2.D12
MBRST9	J1.B15	J2.F11
MBRST12	J1.B16	J2.D10
DBP1	J1.B17	J2.F09
DBBN3	J1.B18	J2.D08
DBP5	J1.B19	J2.F07
DBBN7	J1.B20	J2.D06
DCLKBP	J1.B21	J2.F05
DBBN9	J1.B22	J2.D04
DBP11	J1.B23	J2.F03
DBBN13	J1.B24	J2.D02
DBP15	J1.B25	J2.F01

DDAP14	J1.D02	J2.B24
DDAP10	J1.D04	J2.B22
SCTRLAP	J1.D06	J2.B20
DDAPO	J1.D08	J2.B18
DMDSPAREO	J1.D12	J2.B14
MBRST0	J1.D14	J2.B12
DBP0	J1.D16	J2.B10
DBP4	J1.D18	J2.B08
SCTRLBP	J1.D20	J2.B06
DBP10	J1.D22	J2.B04
DBP14	J1.D24	J2.B02

DMD3P3VA	J1.C01	J1.B01
	J2.E25	J2.F25
DMD3P3VB	J1.F25	J1.E25
	J2.C01	J2.B01
DMDVCC2	J1.B13	J1.A13
	J2.A13	J2.B13

GROUND	J1.A01	J1.A03
	J1.A05	J1.A07
	J1.A09	J1.A11
	J1.A15	J1.A17
	J1.A19	J1.A21
	J1.A23	J1.A25
	J1.C02	J1.C04
	J1.C06	J1.C08
	J1.C10	J1.C12
	J1.C14	J1.C16
	J1.C18	J1.C20
	J1.C22	J1.C24
	J1.D01	J1.D03
	J1.D05	J1.D07
	J1.D09	J1.D11
	J1.D13	J1.D15

GROUND	J1.D17	J1.D19
	J1.D21	J1.D23
	J1.D25	J1.F02
	J1.F04	J1.F06
	J1.F08	J1.F10
	J1.F12	J1.F14
	J1.F16	J1.F18
	J1.F20	J1.F22
	J1.F24	J2.A01
	J2.A03	J2.A05
	J2.A07	J2.A09
	J2.A11	J2.A15
	J2.A17	J2.A19
	J2.A21	J2.A23
	J2.A25	J2.C02
	J2.C04	J2.C06

GROUND	J2.C08	J2.C10
	J2.C12	J2.C14
	J2.C16	J2.C18
	J2.C20	J2.C22
	J2.C24	J2.D01
	J2.D03	J2.D05
	J2.D07	J2.D09
	J2.D11	J2.D13
	J2.D15	J2.D17
	J2.D19	J2.D21
	J2.D23	J2.D25
	J2.F02	J2.F04
	J2.F06	J2.F08
	J2.F10	J2.F12
	J2.F14	J2.F16
	J2.F18	J2.F20
	J2.F22	J2.F24

NOTES:

① MATERIALS:
 HOUSING: LIQUID CRYSTAL POLYMER, UL 94 V-0, COLOR: BLACK.
 CONTACT: BERYLLIUM COPPER, .0017 THICK, PLATED WITH
 20 MICROINCHES MINIMUM HARD GOLD OVER 10 MICROINCHES
 MINIMUM SOFT GOLD OVER 30 TO 70 MICROINCHES SULFAMATE NICKEL.
 FLEX CIRCUIT: COPPER/POLYIMIDE LAMINATE, UL 94 V-0.
 FLEX BOLSTER: STAINLESS STEEL.

BOLSTER PLATE: 300 SERIES STAINLESS STEEL.
 INSULATOR: POLYIMIDE TAPE WITH ACRYLIC ADHESIVE.
 THREADED INSERTS: 400 SERIES STAINLESS STEEL.
 SCREW: STAINLESS STEEL.
 ASSEMBLY PIN: STAINLESS STEEL.

② PC BOARD PAD PLATING REQUIREMENTS:
 30 MICROINCHES MINIMUM HARD ELECTROPLATED GOLD
 OVER 100 MICROINCHES MINIMUM ELECTROPLATED NICKEL.

3. MAXIMUM BOARD THICKNESS: .100"

4. PC BOARD BOLSTERING REQUIREMENT:
 BOLSTER DIMENSIONS: SEE TOP BOLSTER.
 BOLSTER STIFFNESS: EQUAL OR BETTER THAN TOP BOLSTER.
 FLATNESS AT BOARD MATING FACE: .002" [.05 mm].
 M3 X 0.5 THREADS TWO PLACES, CLEARANCE FOR ASSEMBLY PINS.
 INSULATING MEMBER BETWEEN BOARD AND BOLSTER.

5. SCREW TORQUE REQUIREMENT: 6-8 IN*LB [0.7-0.9 N*m]

⑥ MINIMUM BEND RADIUS FOR FORMING FLEXIBLE CIRCUIT SHALL BE .250 [6.35] AND
 ALL BENDS SHALL BE LOCATED WITHIN AREA DEFINED ON SHEET 2.

⑦ 7840 IS A KIT PART NUMBER.
 7840-001 HAS ONE 8394-001 FLEX ASSEMBLY AND TWO 8397-002 BOLSTER PLATES.
 7840-002 HAS ONE 8394-002 FLEX ASSEMBLY AND TWO 8397-002 BOLSTER PLATES.

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ALL DIMENSIONS AND
 TOLERANCES PER
 ASME Y14.5M 1994

THIRD ANGLE PROJECTION

INVESTIGATION

TOLERANCES
 UNLESS SPECIFIED
 OTHERWISE

2PLC $\pm .010$

3PLC $\pm .005$

4PLC $\pm .002$

ANGLES $\pm 1^\circ$



INTERCON SYSTEMS INC.
 HARRISBURG, PA 17110

NAME
 cSTACK SYSTEM, FLEX ASSEMBLY
 & BOLSTER PLATE, 150 POSITION

SIZE **B** PROD CODE 043 DRAWING NUMBER **C - 7840** REV **4**

SCALE 1:1 CUSTOMER DWG SHEET 4 OF 4

DRAWING CREATED WITH SW 2001 MATERIAL (1) FINISH (2)