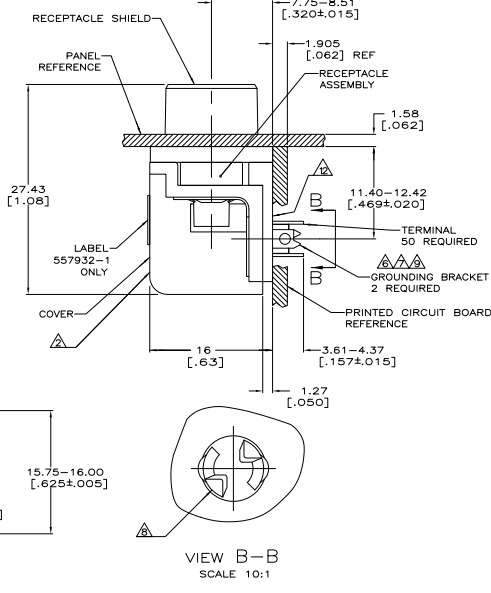
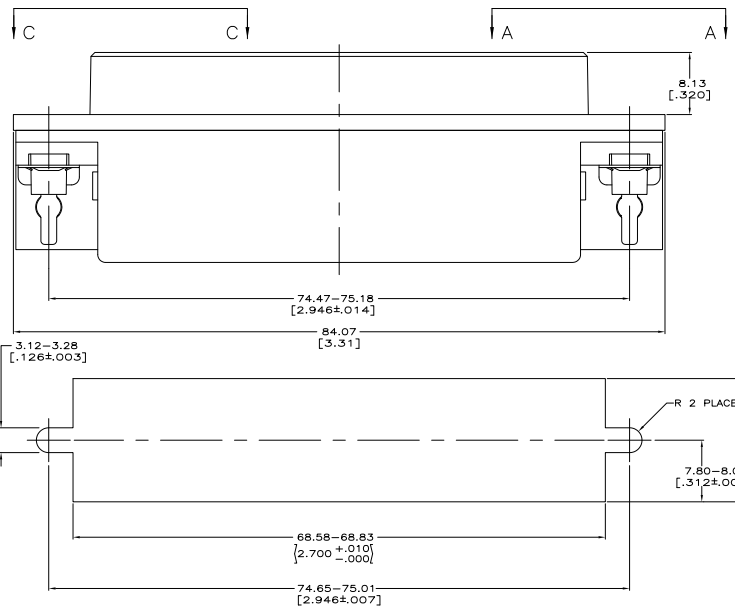
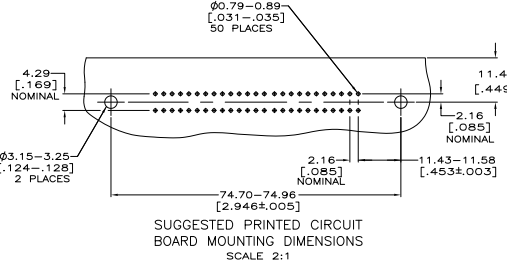
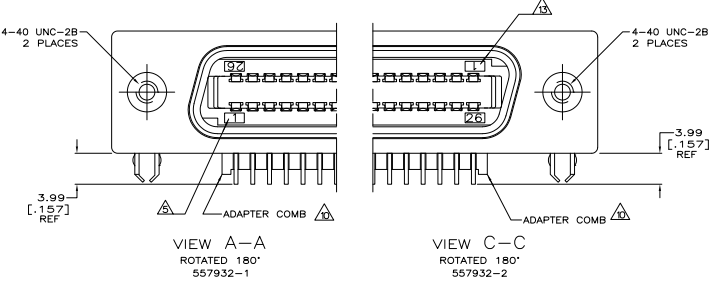


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REV	DATE	DESCRIPTION	BY	CHKD	APPD
00					
01		REVISED FOR ECO-08-02737			



- △ MATERIAL:
 SUPPORT PLATE - POLYESTER, NATURAL (OR EQUIVALENT), HOUSING & ADAPTER COMB - POLYESTER, BLACK, RECEPTACLE SHIELD - BRIGHT NICKEL OVER COPPER PLATED ZINC,
 TERMINALS - HIGH STRENGTH COPPER ALLOY PLATED WITH EITHER 0.76µm [.000030] MIN GOLD PLATE OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, 0.76µm [.000030] MIN TOTAL ON MATING SURFACE, 3.05µm [.000120] MIN TIN-LEAD PLATE ON TAILS, ALL OVER 1.27µm [.000050] MIN NICKEL UNDERPLATE OVER ENTIRE TERMINAL, GROUND BRACKET - TIN-LEAD PLATED CARBON STEEL.
- △ COVER - POLYESTER, NATURAL, (OR EQUIVALENT), PLATED MATTE COPPER 3.81µm [.000150] MINIMUM THICK, BENEATH MATTE NICKEL PLATE, 3.81µm [.000150] MINIMUM THICK.
- 3. CENTER TO CENTER SPACING OF TERMINALS IS 2.16 [.085] NOMINAL.
- △ ALL DIMENSIONS SHOWN ARE MAXIMUM UNLESS OTHERWISE SPECIFIED.
- △ TERMINAL 1 LOCATED IN THIS ROW FOR REVERSE ORIENTATION. SEE VIEW A-A.
- △ GROUNDING BRACKET RETAINS CONNECTOR IN 1.57 [.062] THICK PC BOARD WITHOUT ADDITIONAL HARDWARE.
- △ GROUNDING BRACKET LOCATES CONNECTOR FLUSH WITH TOP OF PC BOARD AND SPRING LOCKS BENEATH.
- △ CYLINDRICAL SHAPE OFFERS 180° OF SOLDERING SURFACE.
- △ SURFACE AREA OF GROUNDING BRACKET BELOW PC BOARD SHALL PASS SOLDERABILITY REQUIREMENTS IN ACCORDANCE WITH TCO SPECIFICATION 109-11-2, DISCOLORATION, SCRATCHES, SPOTS AND OTHER COSMETIC DEFICIENCIES TYPICAL OF BARREL PLATING PROCESSES ARE ACCEPTABLE PROVIDING PARTS PASS 24 HOUR EXPOSURE AT 95% RH AT 40°C WITHOUT EVIDENCE OF CORROSION.
- △ IF TERMINALS DO NOT EXTEND BELOW COMB, SHALL BE PARTIALLY RETRACTED BEFORE INSERTING CONNECTOR INTO PC BOARD.
- 11. THE CONTACT SURFACES OF THE TERMINALS ARE COATED WITH TERMINAL.
- △ SUPPORT PLATE (UNPLATED).
- △ TERMINAL 1 LOCATED IN THIS ROW FOR STANDARD ORIENTATION. SEE VIEW C-C.

REV	DATE	DESCRIPTION	BY	CHKD	APPD
00					
01		STANDARD ORIENTATION, VIEW C-C			
02		REVERSE ORIENTATION, VIEW A-A			

THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 08-08-2015		TYS Electronics Corporation Harrisburg, PA 17105-3608	
INCHES	MILLIMETERS	REV	DESCRIPTION	DATE	BY
1/16	1.588	01	RECEPTACLE ASSEMBLY, SHIELDED, RIGHT ANGLE, 50 POSITION, BOARD LOCK, PLATED COVER, AND SCREW LOCK, CHAMP®		
1/8	3.175	02			
3/16	4.763	03			
1/4	6.350	04			
5/16	7.938	05			
3/8	9.525	06			
7/16	11.113	07			
1/2	12.700	08			
5/8	15.875	09			
3/4	19.050	10			
7/8	22.225	11			
1	25.400	12			
1 1/8	31.750	13			
1 1/4	38.100	14			
1 3/8	44.450	15			
1 1/2	50.800	16			
1 5/8	57.150	17			
1 3/4	63.500	18			
1 7/8	69.850	19			
2	76.200	20			
2 1/8	82.550	21			
2 1/4	88.900	22			
2 3/8	95.250	23			
2 1/2	101.600	24			
2 5/8	107.950	25			
2 3/4	114.300	26			
2 7/8	120.650	27			
3	127.000	28			
3 1/8	133.350	29			
3 1/4	139.700	30			
3 3/8	146.050	31			
3 1/2	152.400	32			
3 5/8	158.750	33			
3 3/4	165.100	34			
3 7/8	171.450	35			
4	177.800	36			
4 1/8	184.150	37			
4 1/4	190.500	38			
4 3/8	196.850	39			
4 1/2	203.200	40			
4 5/8	209.550	41			
4 3/4	215.900	42			
4 7/8	222.250	43			
5	228.600	44			
5 1/8	234.950	45			
5 1/4	241.300	46			
5 3/8	247.650	47			
5 1/2	254.000	48			
5 5/8	260.350	49			
5 3/4	266.700	50			
5 7/8	273.050	51			
6	279.400	52			
6 1/8	285.750	53			
6 1/4	292.100	54			
6 3/8	298.450	55			
6 1/2	304.800	56			
6 5/8	311.150	57			
6 3/4	317.500	58			
6 7/8	323.850	59			
7	330.200	60			
7 1/8	336.550	61			
7 1/4	342.900	62			
7 3/8	349.250	63			
7 1/2	355.600	64			
7 5/8	361.950	65			
7 3/4	368.300	66			
7 7/8	374.650	67			
8	381.000	68			
8 1/8	387.350	69			
8 1/4	393.700	70			
8 3/8	400.050	71			
8 1/2	406.400	72			
8 5/8	412.750	73			
8 3/4	419.100	74			
8 7/8	425.450	75			
9	431.800	76			
9 1/8	438.150	77			
9 1/4	444.500	78			
9 3/8	450.850	79			
9 1/2	457.200	80			
9 5/8	463.550	81			
9 3/4	469.900	82			
9 7/8	476.250	83			
10	482.600	84			
10 1/8	488.950	85			
10 1/4	495.300	86			
10 3/8	501.650	87			
10 1/2	508.000	88			
10 5/8	514.350	89			
10 3/4	520.700	90			
10 7/8	527.050	91			
11	533.400	92			
11 1/8	539.750	93			
11 1/4	546.100	94			
11 3/8	552.450	95			
11 1/2	558.800	96			
11 5/8	565.150	97			
11 3/4	571.500	98			
11 7/8	577.850	99			
12	584.200	100			