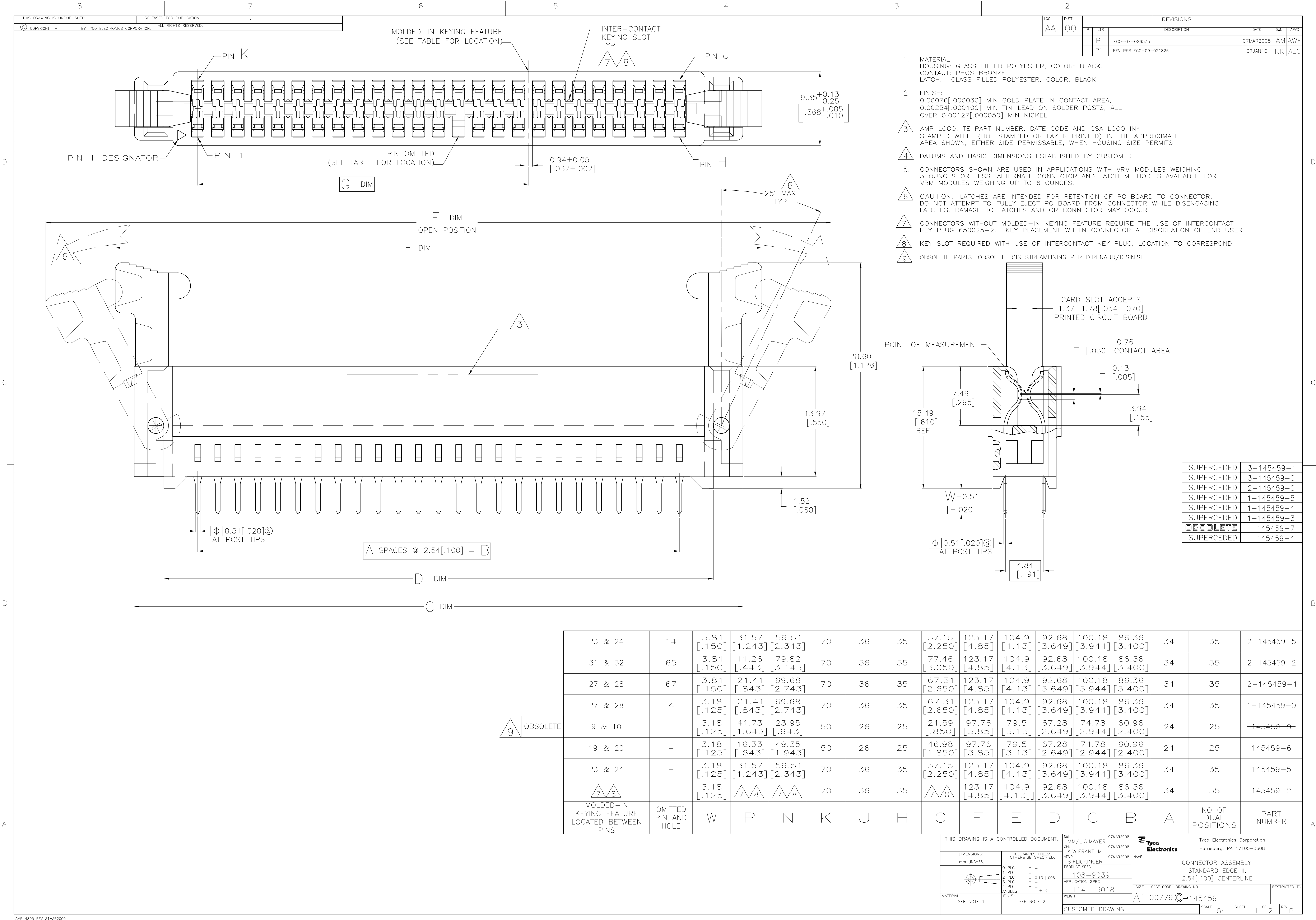




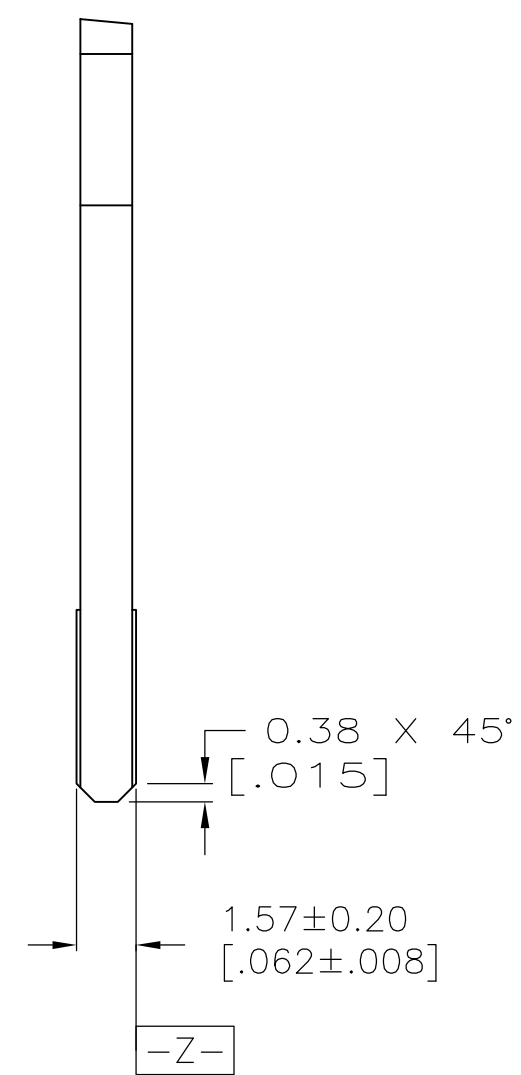
LOC		DIST		REVISONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
P		ECO-07-026535		07MAR2008	LAM	AWF	
P1		REV PER ECO-09-021826		07JAN10	KK	AEG	

- MATERIAL:
HOUSING: GLASS FILLED POLYESTER, COLOR: BLACK.
CONTACT: PHOS BRONZE
LATCH: GLASS FILLED POLYESTER, COLOR: BLACK
 - FINISH:
0.00076[.000030] MIN GOLD PLATE IN CONTACT AREA,
0.00254[.000100] MIN TIN-LEAD ON SOLDER POSTS, ALL
OVER 0.00127[.000050] MIN NICKEL
- 3 AMP LOGO, TE PART NUMBER, DATE CODE AND CSA LOGO INK STAMPED WHITE (HOT STAMPED OR LAZER PRINTED) IN THE APPROXIMATE AREA SHOWN, EITHER SIDE PERMISSABLE, WHEN HOUSING SIZE PERMITS
- 4 DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
- 5 CONNECTORS SHOWN ARE USED IN APPLICATIONS WITH VRM MODULES WEIGHING 3 OUNCES OR LESS. ALTERNATE CONNECTOR AND LATCH METHOD IS AVAILABLE FOR VRM MODULES WEIGHING UP TO 6 OUNCES.
- 6 CAUTION: LATCHES ARE INTENDED FOR RETENTION OF PC BOARD TO CONNECTOR, DO NOT ATTEMPT TO FULLY EJECT PC BOARD FROM CONNECTOR WHILE DISENGAGING LATCHES. DAMAGE TO LATCHES AND/OR CONNECTOR MAY OCCUR
- 7 CONNECTORS WITHOUT MOLDED-IN KEYING FEATURE REQUIRE THE USE OF INTERCONTACT KEY PLUG 650025-2. KEY PLACEMENT WITHIN CONNECTOR AT DISCRETION OF END USER
- 8 KEY SLOT REQUIRED WITH USE OF INTERCONTACT KEY PLUG, LOCATION TO CORRESPOND
- 9 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

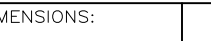
SUPERCEDED	3-145459-1
SUPERCEDED	3-145459-0
SUPERCEDED	2-145459-0
SUPERCEDED	1-145459-5
SUPERCEDED	1-145459-4
SUPERCEDED	1-145459-3
OBSOLETE	145459-7
SUPERCEDED	145459-4

23 & 24	14	3.81 [.150]	31.57 [1.243]	59.51 [2.343]	70	36	35	57.15 [2.250]	123.17 [4.85]	104.9 [4.13]	92.68 [3.649]	100.18 [3.944]	86.36 [3.400]	34	35	2-145459-5
31 & 32	65	3.81 [.150]	11.26 [.443]	79.82 [3.143]	70	36	35	77.46 [3.050]	123.17 [4.85]	104.9 [4.13]	92.68 [3.649]	100.18 [3.944]	86.36 [3.400]	34	35	2-145459-2
27 & 28	67	3.81 [.150]	21.41 [.843]	69.68 [2.743]	70	36	35	67.31 [2.650]	123.17 [4.85]	104.9 [4.13]	92.68 [3.649]	100.18 [3.944]	86.36 [3.400]	34	35	2-145459-1
27 & 28	4	3.18 [.125]	21.41 [.843]	69.68 [2.743]	70	36	35	67.31 [2.650]	123.17 [4.85]	104.9 [4.13]	92.68 [3.649]	100.18 [3.944]	86.36 [3.400]	34	35	1-145459-0
9 & 10	-	3.18 [.125]	41.73 [1.643]	23.95 [.943]	50	26	25	21.59 [.850]	97.76 [3.85]	79.5 [3.13]	67.28 [2.649]	74.78 [2.944]	60.96 [2.400]	24	25	145459-9
19 & 20	-	3.18 [.125]	16.33 [.643]	49.35 [1.943]	50	26	25	46.98 [1.850]	97.76 [3.85]	79.5 [3.13]	67.28 [2.649]	74.78 [2.944]	60.96 [2.400]	24	25	145459-6
23 & 24	-	3.18 [.125]	31.57 [1.243]	59.51 [2.343]	70	36	35	57.15 [2.250]	123.17 [4.85]	104.9 [4.13]	92.68 [3.649]	100.18 [3.944]	86.36 [3.400]	34	35	145459-5
	-	3.18 [.125]			70	36	35		123.17 [4.85]	104.9 [4.13]	92.68 [3.649]	100.18 [3.944]	86.36 [3.400]	34	35	145459-2
MOLDED-IN KEYING FEATURE LOCATED BETWEEN PINS	OMITTED PIN AND HOLE	W	P	N	K	J	H	G	F	E	D	C	B	A	NO OF DUAL POSITIONS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN MM/LA.MAYER	07MAR2008	Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: mm [INCHES]		CHK A.W.FRANTUM	07MAR2008	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD S.FLICKINGER	07MAR2008	CONNECTOR ASSEMBLY, STANDARD EDGE II, 2.54[.100] CENTERLINE	
0 PLC ± -		PRODUCT SPEC		SIZE	
1 PLC ± -		108-9039		CAGE CODE	
2 PLC ± 0.13 [005]		APPLICATION SPEC		DRAWING NO	
3 PLC ± -		114-13018		RESTRICTED TO	
4 PLC ± -		WEIGHT		A1 00779	
ANGLES ± 2°		CUSTOMER DRAWING		SCALE	
FINISH SEE NOTE 2		1:1		SHEET	
SEE NOTE 1		1 OF 2		REV	



Technical drawing of a 19-pin D-sub connector. The drawing shows a top view of the connector with 19 pins arranged in two rows. The top row has 10 pins and the bottom row has 9 pins. The drawing includes dimensions for the pins: a diameter of $\varnothing 1.02 \pm 0.08$, a length of 0.040 ± 0.003 , and a typical length of 0.15 ± 0.006 . The drawing also shows the connector's footprint with dimensions 4.84 and 1.91. The drawing is labeled with "A SPACES @ 2.54[.100] = B" and "HOLE OMITTED FOR POLARIZATION (SEE TABLE FOR LOCATION)".

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN MM/LA-MAYER 07MAR2008		 Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± .- 1 PLC ± .- 2 PLC ± 0.13 [.005] 3 PLC ± .- 4 PLC ± .- ANGLES ± 2°		NAME CONNECTOR ASSEMBLY, STANDARD EDGE II, 2.54[.100] CENTERLINE	
		APVD S.FLECKINGER PRODUCT SPEC 108-9039 APPLICATION SPEC 114-13018		SIZE A1	
MATERIAL SEE NOTE 1		FINISH SEE NOTE 2		CAGE CODE 00779	
		WEIGHT -		DRAWING NO 145459	
		CUSTOMER DRAWING		SCALE 5:1	
				SHEET 2 OF 2	
				REV P	