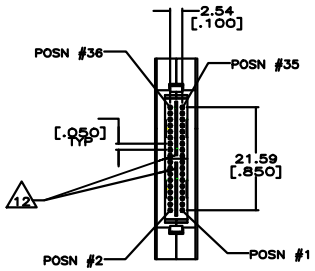
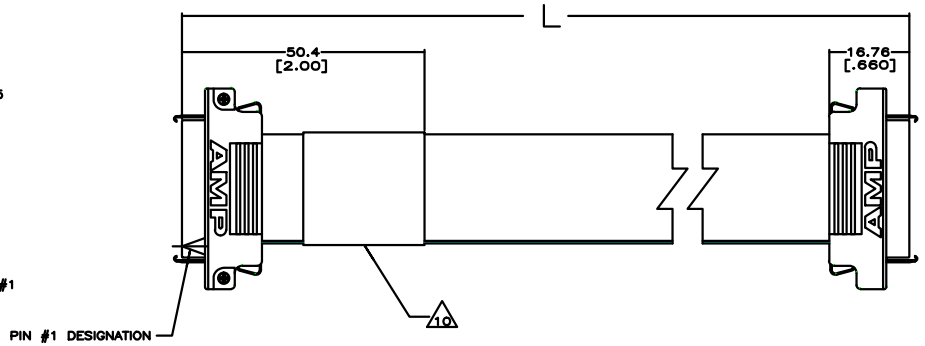
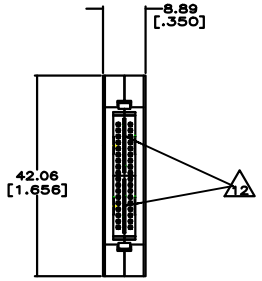
THIS DRAWING IS A CONTROLLED DOCUMENT.

DWG NO C-621189







1. HOUSING MATERIAL: BLACK THERMOPLASTIC
2. SIGNAL CONTACTS: PHOSPHOR BRONZE WITH 0.0076[.000030] MINIMUM GOLD OVER 0.0076[.000030] NICKEL PLATE IN CONTACT AREA.
3. GROUND BUS: BRASS WITH 0.0076[.000030] GOLD OVER 0.0076[.000030] NICKEL IN CONTACT AREA.
4. CHARACTERISTIC IMPEDANCE: 50±5 Ohms.
5. PROPAGATION DELAY: 4.75±.1 ns/M [1.45±.03 ns/FT].
6. CABLE INSULATION MATERIAL: FEP OR EQUIVALENT.
7. CONDUCTOR RESISTANCE: .472 Ohm/M [.144 Ohm/FT].
8. CAPACITANCE TO GROUND: 98± pF/M [30±3 pF/FT].
9. CABLE AND PC BOARD WIRING:

PC BOARD RCPT A	CABLE ASSY END C1	CABLE ASSY END C2	PC BOARD RCPT B
1	N/C	N/C	1
2	N/C	N/C	2
3	1	1	3
4	2	2	4
	–	–	
	–	–	
	–	–	
37	35	35	37
38	36	36	38
39	N/C	N/C	39
40	N/C	N/C	40

10. LABEL TO READ AS FOLLOWS

AMP PART NUMBER:
DATE CODE:

DATE CODE TO BE FOUR DIGIT AND APPEAR AS YEAR/WEEK (EXAMPLE 9222).

THIS CABLE ASSEMBLY IS TO BE MATED WITH A 40 POSITION BOARD RECEPTACLE. THE RECEPTACLE PRINTED CIRCUIT BOARD MUST HAVE THROUGH HOLES FOR ALL CONTACTS INCLUDING THE UNUSABLE BOARD RECEPTACLE SIGNAL CONTACTS. THE UNUSABLE BOARD RECEPTACLE SIGNALS ARE 1,2,39, AND 40.

12. GROUND BUSES ARE COMMON.

PART NUMBER	L ±6.4 [.25]
2-621189-6	1270 [50]
2-621189-5	4269.2 [168.00]
2-621189-4	3048.0 [120.00]
2-621189-3	2743.2 [108.00]
2-621189-2	2438.4 [96.00]
2-621189-1	2133.6 [84.00]
2-621189-0	1828.8 [72.00]
1-621189-9	1524.0 [60.00]
1-621189-8	1219.2 [48.00]
1-621189-7	1066.8 [42.00]
1-621189-6	914.4 [36.00]
1-621189-5	762.0 [30.00]
OBSOLETE	OBSOLETE
1-621189-3	533.4 [21.00]
OBSOLETE	OBSOLETE
1-621189-1	381.0 [15.00]
1-621189-0	304.8 [12.00]
621189-9	279.4 [11.00]
621189-8	254.0 [10.00]
621189-7	228.6 [9.00]
621189-6	203.2 [8.00]
621189-5	177.8 [7.00]
621189-4	152.4 [6.00]
621189-3	127.0 [5.00]
621189-2	101.6 [4.00]
621189-1	76.2 [3.00]

If this document is printed it becomes uncontrolled. Check for the latest revision

© 2013 Tyco Electronics Corporation. All rights reserved.

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS AFFILIATED COMPANIES AND IS NOT TO BE DISCLOSED TO ANY PERSONS OTHER THAN TYCO ELECTRONICS PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION, HARRISBURG, PENNSYLVANIA USA.

LTR	REVISION RECORD	DATE	DWN	APVD
D	REVISED PER ECO-13-005673	04-01-13	T.N	P.G
C	REVISED PER 0B20-1058-96	12-19-96	VEC	KN
B	REVISED PER 0B20-0920-96	11-04-96	SSG	KN

Raychem Harnessing
CUSTOMER DRAWING

DWN D. EISENTRAUT 10-04-94
CHK L. SMITH 02-04-95
APVD L. SMITH 02-04-95

MATERIAL –
HEAT TREAT –

DIMENSIONS: INCHES
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± ----
1 PLC ± ----
2 PLC ± .01 (0.254)
3 PLC ± .005 (0.127)
4 PLC ± ----
ANGLES ± 1°0'
SURFACE TEXTURE √

CAGE CODE 00779

TE Connectivity

NAME ENHANCED MICRO STRIP CABLE ASSEMBLY 50 Ohm – 36 POSITION WITH LATCH

SCALE N/A SIZE A1 DRAWING NO C-621189 SHEET 1 OF 1 REV D

USED ON –

LOC
DIST

8 7 6 5 4 3 2 1

D C B A