

POSITIONING KEY

WIRING KEY (INDEX LINE)

2

3

1

4

Rx-	4
Tx-	3
Rx+	2
Tx+	1
SIGNAL ALLOCATION	CAVITY NUMBER

CONTACT CAVITY NUMBERING

STANDARD CAVITY NUMBER ASSIGNMENT

35 TO 37.5 mm
[1.375 TO 1.500 inch]
(BEFORE SHRINKING)

1811010-1 QUADRAX SOCKET ASSEMBLY SHOWN WITH
ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING INSTALLED.
TYCO ELECTRONICS/RAYCHEM BULK TUBING PART NUMBER 4-1191401-7.

INNER CRIMP FERRULE
MATL: BRASS
FINISH: PLATED GOLD OVER
NICKEL UNDERPLATE
QUANTITY: 4

SOCKET CONTACT
MATL: BERYLLIUM COPPER
FINISH: PLATED GOLD OVER
NICKEL UNDERPLATE
QUANTITY: 4

DIELECTRIC
MATL: THERMOPLASTIC
QUANTITY: 1

OUTER SOCKET SHELL SUB-ASSY
OUTER SOCKET SHELL:
MATL: BERYLLIUM COPPER
FINISH: PLATED GOLD OVER
NICKEL UNDERPLATE
HOOD: MATL: STAINLESS STEEL
QUANTITY: 1

1445693-1
CONTACT ASSEMBLY
SCALE 4:1

QUADRAX CABLE
NOT INCLUDED; SHOWN
FOR REFERENCE ONLY

Ø 7.31
[.287]
MAX
(NTS)

Ø 5.44
[.214]
REF

Ø 4.496
[.1770]

Ø 6.94-7.01
[.273-.276]

Ø 6.299
[.2480]
REF
(CRIMP BARREL)

15.11 [.595]

14 [.551] REF
(13.60 [.535] MIN
PER ARINC 664)

6.02 [.237] REF

17.2 [.677] REF

1.52 [.060] REF
(CRIMP FERRULE)

0.79±0.05
[.031±.002]

4.78 [.188] REF

SECTION V-V

Ø 1.168 [.0460] TYP

Ø 0.813 [.0320] TYP

R0.15 [.006] MAX

DETAIL K
SCALE 10:1

MATES WITH PIN
Ø 5.535±0.025
[.218±.001]

SEE DETAIL K

Ø 7.951-8.026
[.313-.316]

1.875±0.025
[.0738±.0010]

R4.7±0.05
[.185±.002]

WIRING KEY (INDEX LINE)

1.41 [.056]

0 [.000]

1.41 [.056]

2 [.079] REF

SCALE 10:1

1. COMPONENTS ARE PACKAGED IN KIT FORM. CABLE PURCHASED SEPARATELY.

2. ASSEMBLY PER APPLICATION SPECIFICATION 114-13123.

3. USE INSERTION-EXTRACTION TOOL TYCO P/N 1738894-1.

LOC DF

DIST A5

REV PER ECO-07-011604

22JUN07

BH

RW

REV PER ECO-07-011604

22JUN07

BH

RW

1811010-1

QUADRAX SOCKET CONTACT
1445693-1 WITH HEAT-SHRINK TUBING

DESCRIPTION

1811010-1

PART NO.

James M. Saba

09June04

W.H. BERNHART

09June04

W.H. BERNHART

09June04

NAME

QUADRAX SOCKET KIT
WITH HEAT-SHRINK TUBING

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

09 PLC ±.001

1 PLC ±0.2 [.008]

2 PLC ±0.13 [.0053]

3 PLC ±0.051 [.002]

4 PLC ±.001

ANGLES

FINISH

WEIGHT

CUSTOMER DRAWING

SCALE 10:1

SHEET 1 OF 1

REV A

AMP 4805 REV 31MAR2000

ProENGINEER DRAWING

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1811010-1](#)