

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY 1. INTERPRET DRAWING PER ASME Y14.5-1994. CUSTOM CABLE SPECIFICATION V25T-40 DIMENSIONS ARE IN INCHES 2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATLEY R.02 FOR SHEET METAL PARTS. SUB-SYSTEM DESIGNER | R. ABBOTT | AUG/22/2011 | SIZE | DWG. NO. **TOLERANCES:** 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE .XX ± D1101654 DRAFTER E. BROWN AUG/22/2011 .XXX ± AND FREE OF SULFUR, SILICONE, AND CHLORINE. **NEXT ASSY** CHECKER ANGULAR ± ° Material <not specified> APPROVAL PROJECTION: SHEET 1 OF 1

DRAWING TREE #

EXPLODED

VIEW

DCN#

VIEW

1.200in 30.48mm

0.250in [6.35mm]

STANDARD USE

QPD'S

FOR TRANSMON

c. CONTACTS - BERYLLIUM COPPER ALLOY C17300

d. HARDWARE: CORROSION RESISTANCE STEEL, PASSIVATED

CONNECTORS WILL BE SUPPLIED WITH HARDWARE (LENGTH OF SCREWS AS SHOWN ARE APPROXIMATE

e. PEEK BRAID - PEEK VICTREX GRADE TDS-450CA30 CARBON LOADED - SUPPLIED BY LIGO

0.000050 MIN. GOLD OVER NICKEL

2. CABLE 6 COND. 28 AWG. (40 STRD 44 AWG.) WITH CZ1105 PFA INSULATION OVERALL 40AWG COPPER BRAID 90% COVERAGE - SUPPLIED BY LIGO

OVERALL PEEK BRAID MIN. 50% COVERAGE - SUPPLIED BY LIGO

SCREWS SHOULD BE THE PROPER LENGTH FOR PROPER MATING)

OVERALL CABLE O.D. WILL BE APPROX. 0.240 IN.