Tuesday, April 10, 2007 15:02:05 CASA Assembly Instruction for: - "16SMA-16SMA-EZ141-150mm(180d)" Installation Steps:-Assembly & Cable Preparation details for the following CASA Crimp Coaxial Connectors:-1) Prepare Cable End to Drawing detail shown here Note - Semi-Rigid Cables UT-141/EZ-141 etc. may be used provided the 2) Fit HS ID Marker/labels and clear HS cover tubes single screen crimp ferrule substituted with the double screen part. 16SMA-50-3-UT141 (may be already fitted to supplied cable 3) Clean and Inspect dielectric to contact interface 165MA-50-3-UT141 (Suhner or equivalent) 4) Install W14 contact-centreing/location jig onto body CUT Length = "CL" = OL - 8 mm 5) Install Connector Body onto cable 6) Inspect and correct possitioning 150.00 7) Orient body to correct radial-angular location "CL" = Cut Length of Cable = OL - 8mm 8) Solder centre contact in cavity Heatshrink Sleeve Type HS-20x5-GP150(CDL) Heatshrink Sleeve Type HS-20x5-GP150(COL) (if required for stress relief or coding). (if required for stress relief or coding). 9) Solder coax-outer to SMA body Outer Copper/Tin Jacket 10) Clean with alcohol and fit top cap + remove W14 jig Duter Jacket 3.00 11) Heatshrink Sleeves and ID markers as appropriate 2.50 -1st Cut Duter-Copper (3.0 x 0.90) 3.00 5.00 "EL" = Electrical Length of Assembly (typically -2/+0mm) = CL + 19mm Internal FIXED contact in 165MA... body ? Absolute MINIMUM Cable Length =  $2 \times (14+7.7) = 43.4$ mm without heatshrink 12.50 7.50 Solder-Pin in 16SMA Body ? RECOMENDED Pracital Minimum = 50mm with or without Heatshrink. ? Minimum Cable length WITH Taper Sleeves "OL" = Overall Physical Length of Assembly (typically -0/+2mm) = CL + 8mm Angular/Radial orientation  $2 \times (38 + 7.7) + 14 = 105.4$ mm to suit client requirements (specify 0~180 degrees) 16.28 JOB No 2649 DRAWING Reference No. ISSUE CUSTOMER CASA Modular Systems Modular Systems 16Sm-16Sm-180dA DESCRIPTION 16SMA-16SMA 180 deg - Semi-Rigid Assy. C COPYRIGHT : CASA Modular Systems APPROVED DWG. SCALE DRAWN 10/04/07 A.W.D ALL RIGHTS RESERVED (64-4) 9393 778