Wednesday, May 05, 2010 09:59:19 Material: Proposed Integrated Crimp-Spigot and reducing adaptor for PL-259 Body & Pin = Brass Insulator = PTFE (or HDPE/MFB etc. to order) RG-58 Crimp Ferrule Note - use standard RG-58 BNC Crimp-Ferrule 38.20 Crimp die 5.5Hex-AF for single screened cables or substitute with RG-223/142 for double screened cables. Body = Nickel Plate or Silver Plate (as required) Alloy-Foil-Wrap Pin-Contact = Gold over CuNi or Silver Plate (LMR-195) if present Spread slit to make 1mm Solder-Hole compliant fit to PL259 2.59 RG-58C/U or LMR-195 3.00 - 3.00 The contact overall length Crimp(solder) contact - 9 . 00 may need to be reduced Pin-in-Pin fits PL259 16.00 - 30 . 00 drilled 1.05 for RG58/LMR195 to match typical values drilled 0.80 for RG59/LMR240 between 1~1.5mm projection 55,60 drilled 1.10 for RG6/LMR300 – Standard Reducing Adaptors UG-175/U RG58/223/142/LRM195 = 5.4? bore UG-176/U RG59/LMR240 = 6.4?. bore 5/8" UNEF internally PL259 Body Roll-Swage or dimple thread to retain PTFE dielectric Optional 12mm OD assembly with contact 20.80 PTFE (or HDPE) Insulator Optional 1mm dia. O-Ring (2mm dia) Threaded 5/8" UNEF solder/cross-hole 4.70 12.50 Swage-Retention **-** 7.50 flare to captivate in PTFE/HDPE aaaaaaaaa 8.00 5.50 25.50-Crimp/Solder-Pin Crimp-Hole to suit cable type Threaded 7/16" 14tpi UNC contact for PL-259 4 x 1/8" solder/cross-holes drilled 1.05 for RG58/LMR195 Thru-drill clearance for RG-58C/U drilled 0.80 for RG59/LMR240 dielectric or LMR-195 foil-wrap Optional 12mm OD drilled 1.10 for RG6/LMR300 Straight-Knurl 0.5mm pitch Ring-Seal (2mm) for grip while screwing PL259 body on to RG-213 Cross-knurl as per standard crimp spigot Straight-Knurl or Cross-Knurl 20.80 29.70 18.30 4.70 12.50 **-** 7 . 50 **-**6.50 4.50 Ø12.50 nominal 3.10 NAAAAAAAA 12.70 8.00 RG-58C/U Ferrule V00000000000000000 5.60 33.50 12.70 - Crimp-Hole drilling and/or --- 8.00 · 2.50 — 12.00· outer dia. changed to suit cable type and crimp dies. Typical values for 2.1mm are: drilled 1.05 for RG58/LMR195 6.70? RG-142/223/U drilled 0.80 for RG59/LMR240 5.80? Ferrule drilled 1.10 for RG6/LMR300 JOB No XXXX Ferrule Crimp Tooling Die Sizes (Suhner or equivalent) Pin-Crimp Tooling Die Sizes (Suhner or equivalent) Note - Other proposed Crimp-Spigot (reducing-adaptors) sizes DRAWING Reference No CASA Modular Systems will include RG-59 + RG-6 and their 50 Ohm LMR equivalents 5.5mm (0.217") Hex-AF for ferrule for RG-58/RG-142/LMR195 1.6mm (0.063") Square-AF for contact for RG-58/RG-142/LMR195 [|| A | 5 | A | Modular Systems RG-59 (replaces UG-176/U) or LMR-240 6.5mm (0.256") Hex-AF for ferrule for RG-59/LMR240 1.6mm (0.063") Square-AF for contact for RG-59/LMR240 RD-UHF-RG58 DESCRIPTION **A**3 BDX 38-828, WELLINGTON, NEW ZEALAN LEPHONE : (64-4) 5687 277 .SIMILE : (64-4) 5685 161 E-WAIL : sales@casa.co.nz Integrated UHF PL259 Adaptor for RG-58 1.6mm (0.063") Square-AF for contact for RG-6/LMR300 RG-6 or LMR-300 8.0mm (0.315") Hex-AF for ferrule for RG-6/LMR300 DWG. SCALE 1:1 C COPYRIGHT : CASA Modular ALL RIGHTS RESERVED DRAWN : **A.W.0**5/10