

Customer Information Sheet

DRAWING No.: M80-5S2120500-02-313-01-333

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:
 MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
 SIGNAL CONTACT: PHOSPHOR BRONZE
 COAX CONTACT:
 BODY = BRASS
 INNER CONTACT = PHOSPHOR BRONZE
 INSULATOR = PTFE
 POWER CONTACT: BRASS

FINISH:
 SIGNAL CONTACT:
 0.75µ GOLD ALL OVER.
 COAX CONTACT: BODY, INNER CONTACT = GOLD
 POWER CONTACT: GOLD

ELECTRICAL:
 WORKING VOLTAGE = 120V AC/DC
 VOLTAGE PROOF = 360V AC/DC
 INSULATION RESISTANCE = 100MΩ MIN

SIGNAL CONTACT:
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 CONTACT RESISTANCE = 25 mΩ MAX

COAX CONTACT:
 FREQUENCY RANGE = 6GHz
 IMPEDANCE = 50 Ω
 V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX
 CONTACT RESISTANCE 6 mΩ MAX

INSULATION RESISTANCE = 10⁶MΩ @250V AC
 OPERATING VOLTAGE = 180V AC @ 500mA
 MAXIMUM VOLTAGE = 1000V AC

POWER CONTACT:
 CONTACT RESISTANCE 6 mΩ MAX
 CURRENT RATING = 20A MAX

MECHANICAL:
 DURABILITY = 500 OPERATIONS

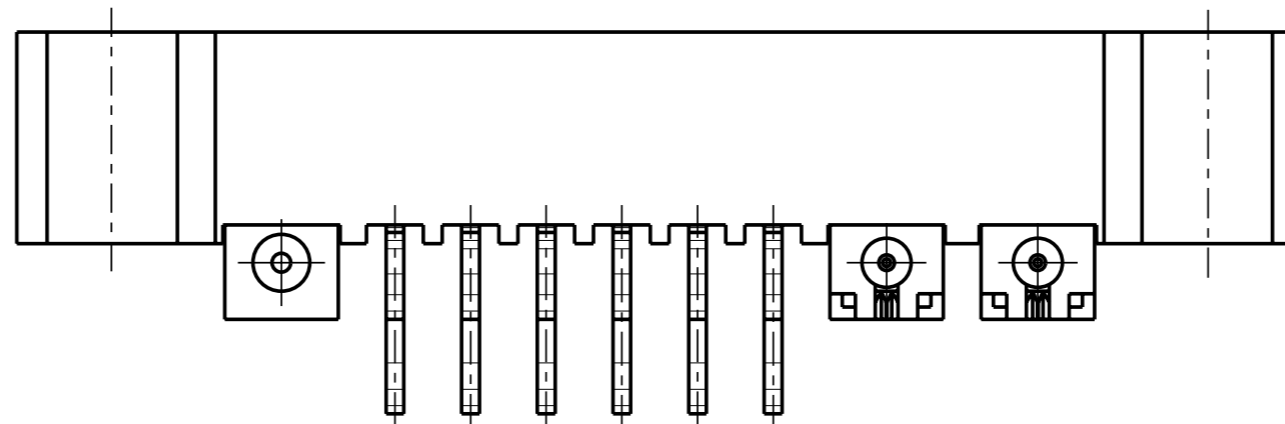
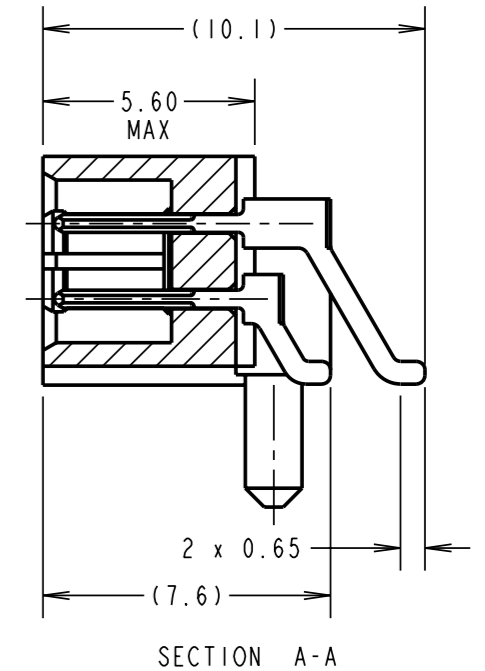
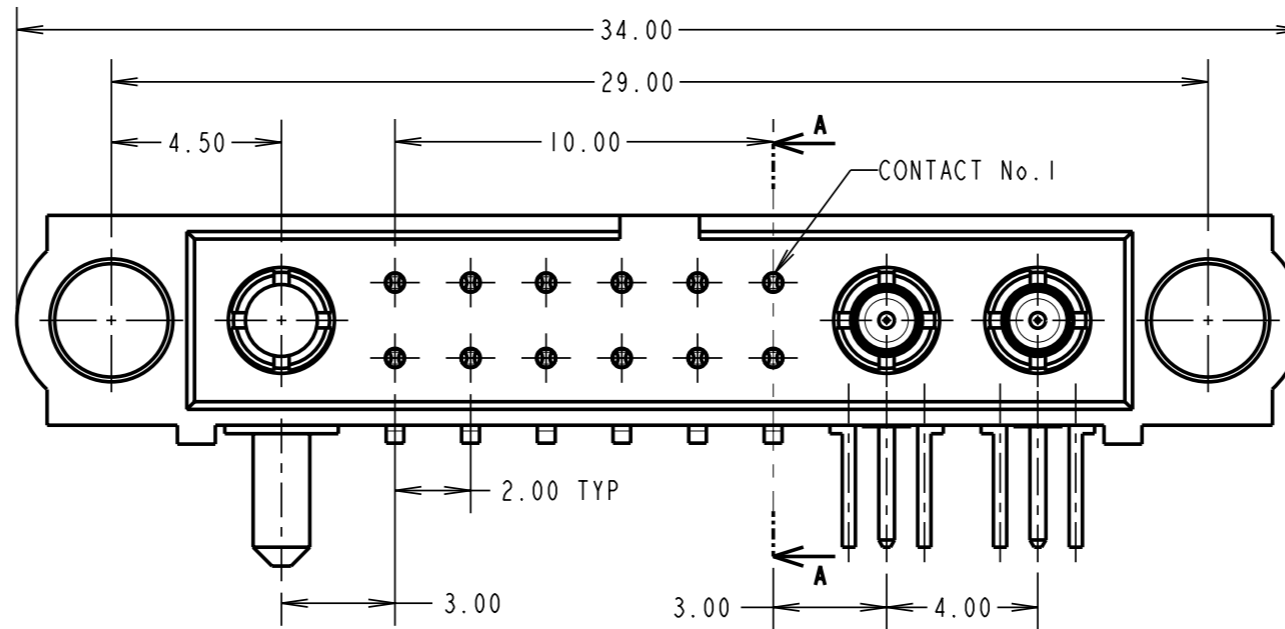
SIGNAL CONTACT:
 INSERTION FORCE = 2.8N MAX
 WITHDRAWAL FORCE = 0.2N MIN

COAX CONTACT:
 INSERTION FORCE = 5N MAX
 WITHDRAWAL FORCE = 0.5N MIN

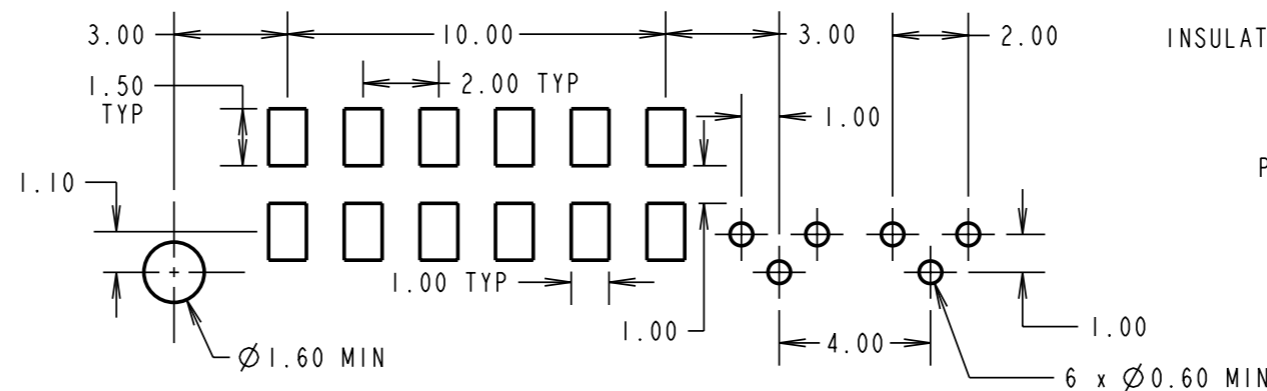
POWER CONTACT:
 INSERTION FORCE = 5N MAX
 WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +125°C

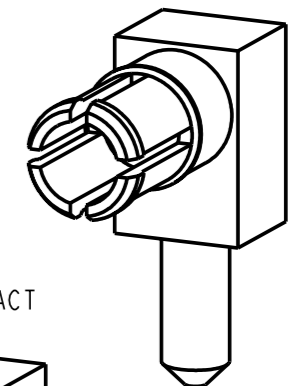
PACKING:
 TUBE
 FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



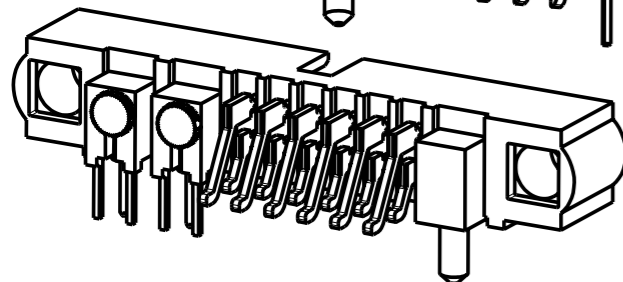
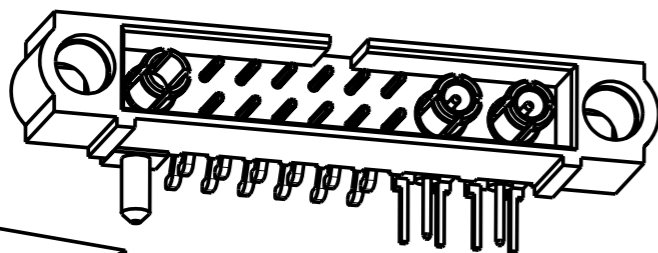
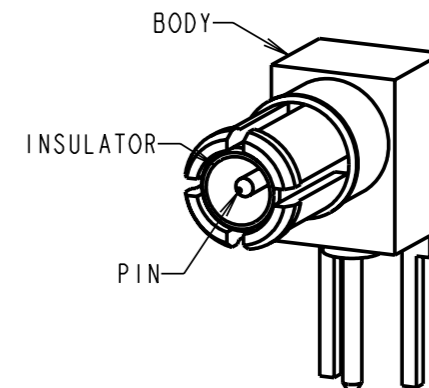
RECOMMENDED PCB LAYOUT



VIEW OF POWER CONTACT



VIEW OF COAX CONTACT



RA	A	16.10.07	----
NAME	ISS.	DATE	C/NOTE
APPROVED:		R.ADDE	
CHECKED:		M.G.PLESTED	
DRAWN:		R.ADDE	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com	HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk	HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg				FINISH: SEE ABOVE	DRAWING NUMBER: M80-5S2120500-02-313-01-333