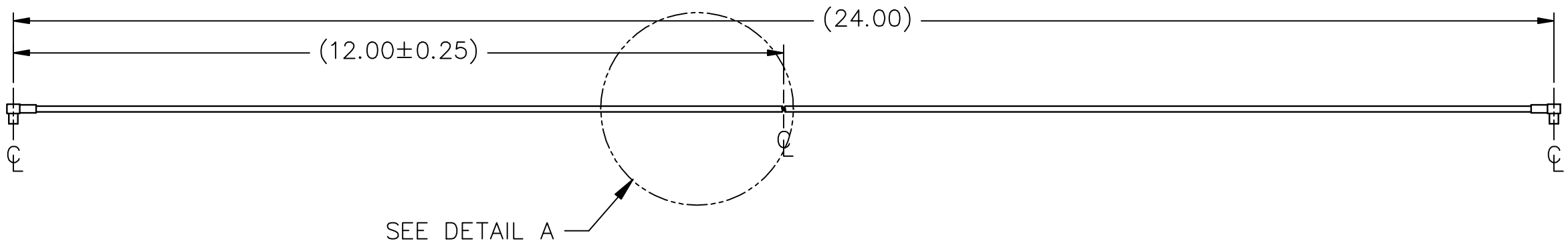
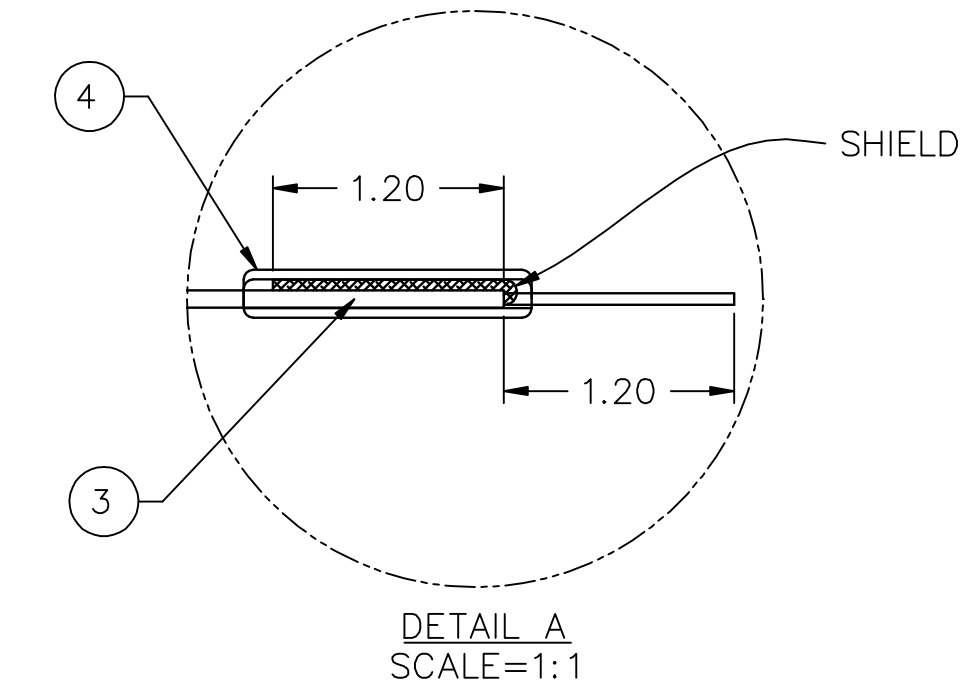


REVISIONS					
ZONE	REV	ECN	DESCRIPTION	DATE	REVISED BY



- 3) PULL CENTER CONDUCTOR THRU BRAIDED SHIELD. PULL SHIELD BACK TO SPECIFIED DIMENSION. SECURE TO CABLE WITH SHRINK TUBING (P/N 3).
- 2) STRIP OUTER CABLE JACKET (P/N 4) OFF 1.2"
- 1) CUT RG-178 CABLE (P/N 4) IN HALF.

NOTES:

4	0.5	PATCH CORD	MMCX RA PLUGS, RG-178 (24")	JOHNSON/EMERSON	415-0068-024	Y20-2068-00	-
3	1.5"	TUBING ,SHRINK	.093" TEFLON 260*C	ALPHA WIRE	FIT-500-16	W50-0500-16	-
2	1	SUPPLY PRODUCTION, SHOP FLOOR	FGI LABEL			S43-0344-30	A
1	1	SUPPLY MISC.	BAG, 4"X 6" ZIP LOCK 4MIL			G00-0179-10	-
ITEM #	QTY.	ITEM DESCRIPTION	MATERIAL DESCRIPTION	MFG. NAME	MFG. P/N	ECD P/N	REV
BILL OF MATERIALS							
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There is no external power amplifier or low noise amplifier, so total power at the antenna during broadcast will be +4dBm less the losses of the matching components, connector, and BALUN transformer (losses total about 1.5dBm). The antenna is not specifically matched, being 50 Ohm coaxial cable with the ground braid stripped and folded back over the cable leaving exposed about $\frac{1}{4}$ of a wavelength of insulated wire as the antenna element. An MMCX connector is used to attach the antenna cable assembly to the M.E.G.A.M.O.L.E. transceiver interface circuitry.

The antenna meets the requirements of FCC Part 15.203.

The peak gain is 1.55 dBi.