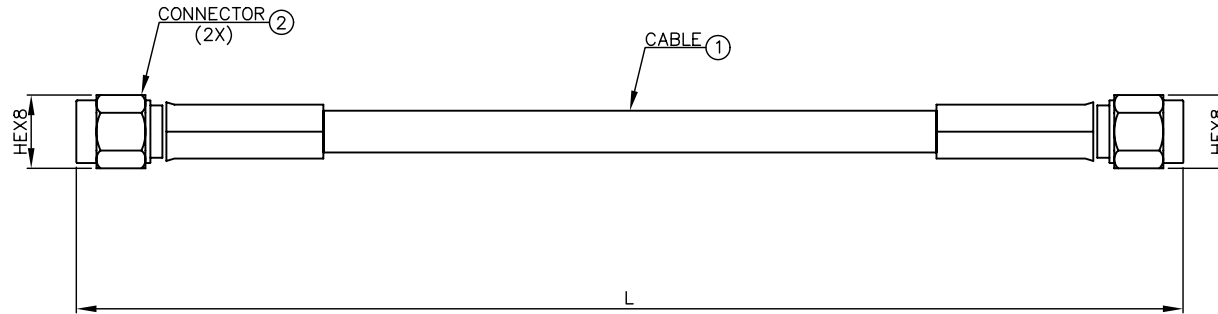


REV	DESCRIPTION	Date	APPROVED
A	PRODUCTION RELEASE	01/16/09	



NOTES:

1. CABLE ASSEMBLY

A. ELECTRICAL

1. IMPEDANCE: 50 Ohm.
2. FREQUENCY RANGE: DC~2GHz.
3. WORKING VOLTAGE: 1000 V max.
4. DIELECTRIC WITHSTANDING VOLTAGE: 2000 Vrms min.
5. INSULATOR RESISTANCE: 50M Ohm min.
6. VSWR: 1.5 : 1 max.
7. INSERTION LOSS: -0.8 dB/M max.

2. SMA CONNECTOR

A. ELECTRICAL

1. INPENDANCE: 50 Ohm.
2. FREQUENCY RANGE: 0 -12.4 GHz ON FLEXIBLE CABLE, 0 -18 GHz ON SEMI-RIGID CABLE.
3. WORKING VOLTAGE: 170 Vrms max.
4. DIELECTRIC WITHSTANDING VOLTAGE: 500 Vrms min.
5. CONTACT RESISTANCE: CENTER CONTACT: 6 Milliohms max.  
OUTER CONTACT: 2 Milliohms max.
6. INSULATOR RESISTANCE: 5000 Megohms min.

B. MATERIAL:

1. BODY, METAL PARTS: BRASS PER QQ-B-626. FINISH: GOLD 3 Micro-inches.
2. CENTER CONTACTS: MALE: BRASS PER QQ-B-626. FINISH: GOLD 30 Micro-inches.
3. INSULATORS: TEFLON
4. CRIMP FERRUTES: ANNEALED BRASS. FINISH: GOLD 3 Micro-inches.
5. CLAMP GASKETS: SILICONE RUBBER.

C. MECHANICAL & ENVIROMENTAL

1. ENGAGEMENT FORCE: 2 in-lbs. max.
2. DISENGAGEMENT FORCE: 2 in-lbs. max.
3. COUPLING NUT RETENTION: 60 lbs. min.
4. COUPLING PROOF TORQUE: 15 in-lbs. min.
5. CONTACT RETENTION: 6 lbs. min.
6. TEMPERATURE RANGE: -65°C TO 165°C
7. VIBRATION: MIL-STD-202 METHOD 204 TEST COND. B.

3. PACKAGING: 1PC/BAG.

GMSAMAM005	5
GMSAMAM003	3
GMSAMAM002	2
GMSAMAM001	1
CBS P/N	LENGTH(FT)

NO.	ITEM	Q'TY	DESCRIPTION
2	CONNECTOR	2PCS	SMA, MALE.
1	CABLE	1PC	#20-0.8 COAXIAL CABLE (RG58/U)-PE, 50Ω.

UNLESS OTHERWISE SPECIFIED  
DIMENSION TOLERANCES ARE

DECIMALS	ANGULAR
.X +/- .050	+/- 0.5
.XX +/- .010	
.XXX +/- .005	

DO NOT SCALE DRAWING

# CABLESYS

14700 E ALONDRA BLVD, LA MIRADA, CA 90638

WWW.CABLESYS.COM

50Ω RG58C/U SMA 180° MALE SMA 180° MALE

DESIGNER	DMP	SIZE	A	FILE NO.	OFF SHELF CABLE\MINICOAX\GMSAMAMXXX	REV.	A
DRAFTSMAN	H.W	UNIT	MM	PAGE NO.	1/1	ITEM NO.	GMSAMAMXXX
APPROVED BY		SCALE	NTS	DATE	01/16/09	DWG NO.	SAMAMXXX

Approved by: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_