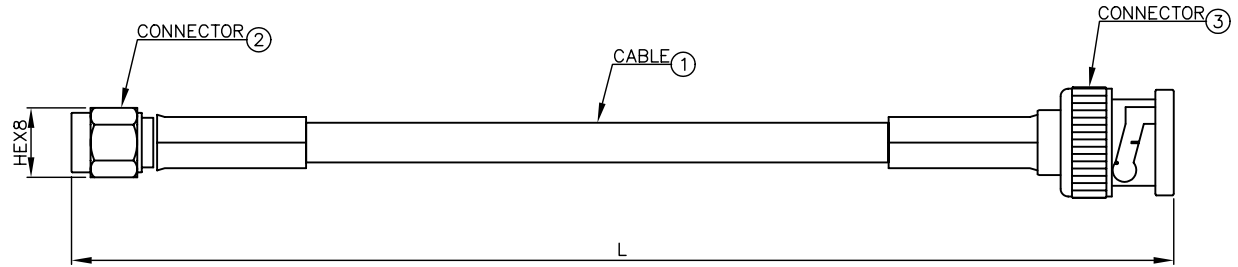


| REV | DESCRIPTION | Date | APPROVED |
|-----|--------------------|----------|----------|
| A | PRODUCTION RELEASE | 01/16/09 | |



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.
 - 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.
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. BNC CONNECTOR
 - A. ELECTRICAL
 1. INPENDANCE: 50 Ohm.
 2. FREQUENCY RANGE: 0 - 4 GHz.
 3. WORKING VOLTAGE: 500 Vrms max.
 4. DIELECTRIC WITHSTANDING VOLTAGE: 1500 Vrms min.
 5. CONTACT RESISTANCE: CENTER CONTACT: 3 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: NICKEL 70 Micro-inches.
 2. CENTER CONTACTS: MALE: BRASS PER QQ-B-626. FINISH: GOLD 3 Micro-inches.
 3. INSULATORS: TEFLON, DELRIN.
 4. CRIMP FERRUTES: ANNEALED BRASS. FINISH: NICKEL 70 Micro-inches.
 5. CLAMP GASKETS: SILICONE RUBBER.
 - C. MECHANICAL & ENVIROMENTAL
 1. ENGAGEMENT FORCE: 2.5 in-lbs. max. torque.
 2. DISENGAGEMENT FORCE: 3 lbs. max. axial force.
 3. COUPLING NUT RETENTION: 100 lbs. min.
 4. CONTACT RETENTION: 6 lbs. min.
 5. TEMPERATURE RANGE: -65°C TO 165°C
 6. VIBRATION: MIL-STD-202 METHOD 204 TEST COND. B.
4. PACKAGING: 1PC/BAG.

| | |
|------------|------------|
| GMSAMEM005 | 5 |
| GMSAMEM003 | 3 |
| GMSAMEM002 | 2 |
| GMSAMEM001 | 1 |
| CBS P/N | LENGTH(FT) |

| NO. | ITEM | Q'TY | DESCRIPTION |
|-----|-----------|------|------------------------------------------|
| 3 | CONNECTOR | 1PC | BNC, MALE. |
| 2 | CONNECTOR | 1PC | SMA, MALE. |
| 1 | CABLE | 1PC | #20-0.8 COAXIAL CABLE (RG58/U)-PE, 50 Ω. |

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

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

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

Approved by: _____ Title: _____ Date: _____