

| PART NUMBER | LENGTH | | ITEM ① UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE | ITEM ② CABLE |
|--------------|-----------|-------|--|--|
| | INCH | mm | | |
| 415-0085-050 | 1.97±.16 | 50±4 | BODY - COPPER ALLOY- GOLD PLATED | SHIELD - TIN PLATED ANNEALED COPPER WIRE |
| 415-0085-100 | 3.94±.16 | 100±4 | CONTACT - COPPER ALLOY - GOLD PLATED | DIELECTRIC - FEP |
| 415-0085-150 | 5.91±.16 | 150±4 | INSULATOR - PBT - WHITE, UL94V-0 | CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#36 (7/.002) |
| 415-0085-200 | 7.87±.16 | 200±4 | | JACKET - FEP - BLACK |
| 415-0085-250 | 9.84±.31 | 250±8 | | |
| 415-0085-300 | 11.81±.31 | 300±8 | | |
| 415-0085-500 | 19.69±.31 | 500±8 | | |

DRAWING NO.
B - 415-0085-001/999

0 REVISIONS

ENGINEERING RELEASE

| | | | | | | |
|---|----------|-------------|-------------|-------------|-------------|-----------------------|
| 1 | 10-20-06 | P A T | S B D | R J B | P D W | 12-20-06 ECN 50728 |
|---|----------|-------------|-------------|-------------|-------------|-----------------------|

INSULATOR-LCP BLACK WAS WHITE

* REVISION NUMBER FOLLOWED BY AN ALPHA *
* CHARACTER INDICATES DRAWING CLARIFI- *
* CATION OR PART NUMBER ADDITION ONLY. *

| | | | | | | |
|----|---------|-------------|-------------|-------------|------------------|----------------------|
| 1a | 2-23-07 | P A T | S B D | R J B | M J C N | 4-23-07 ECN 50950 |
|----|---------|-------------|-------------|-------------|------------------|----------------------|

ADD MEDIUM RPROFILE TO ITEM 1
CHANGE BODY MATERIAL TO COPPER ALLOY
CHANGE CONTACT MATERIAL TO COPPER ALLOY
CHANGE INSULATOR COLOR TO WHITE
CHANGE INSULATOR MATERIAL TO PBT
CHANGE SHIELD MATERIAL TO TIN PLATED

| | | | | | | |
|----|--------|--------|-------------|-------------|--------|---------------------|
| 1b | 2-7-11 | M S | S D J | R J B | M S | 2-7-11 ECO 52912 |
|----|--------|--------|-------------|-------------|--------|---------------------|



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-6 GHz
 VSWR: 1.30 MAX AT 0-3 GHz
 1.50 MAX AT 3-6 GHz

WITHSTANDING VOLTAGE: 200 V AC
 INSULATION RESISTANCE: 500 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - 20 MILLI-OHMS MAX
 OUTER CONDUCTOR - 20 MILLI-OHMS MAX

MECHANICAL:

COMPATIBILITY: MATES WITH U.FL SERIES
 HOLDING FORCE (MIN): 0.15 N (FEMALE CONTACT)
 DURABILITY: 30 CYCLES

ENVIRONMENTAL:

TEMPERATURE RANGE: -40°C TO +90°C

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μ STATION"

COMPANY CONFIDENTIAL

| | | | |
|--------------------------------------|-------|--------------|------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY | DATE |
| DECIMALS | mm | PAT | 5-23-06 |
| .XX | _____ | CHECKED BY | DATE |
| .XXX ±.004 | _____ | RJB | 12-13-06 |
| MATL | _____ | APPROVED BY | DATE |
| FINISH | _____ | PDW | 12-19-06 |
| | | RELEASE DATE | 12-20-06 |
| | | U/M | SCALE 10:1 |

cinch
CONNECTIVITY SOLUTIONS
a bel group

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1-800-247-8256

TITLE
UMC MATING CABLE PLUG
.098 (2.5mm) MATING HEIGHT
.032 (0.81mm) CABLE O.D.

SHEET
2 OF 2

DRAWING NO.
B - 415-0085-001/999