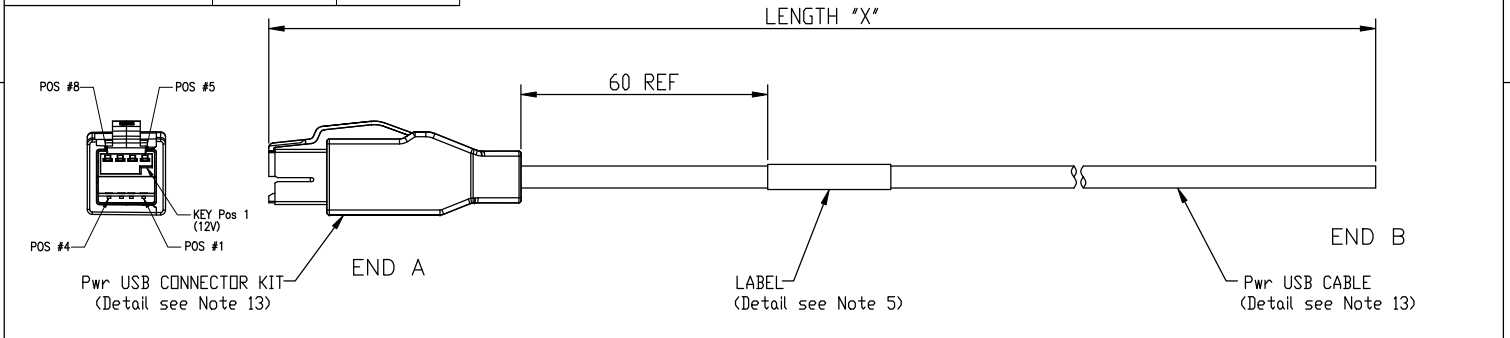


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| 1 | | | 2 | | 3 | | 4 | |
|--------------------|------------|------------|---|--|---|--|---|--|
| FCI PART NO. | POWER TYPE | LENGTH "X" | | | | | | |
| 10084088-Z0050YYLF | 12V | 500+25/-0 | | | | | | |
| 10084088-Z0100YYLF | 12V | 1000±15 | | | | | | |
| 10084088-Z0300YYLF | 12V | 3000±25 | | | | | | |
| 10084088-Z0500YYLF | 12V | 5000±25 | | | | | | |



| END A | SIGNAL NAME | WIRE COLOR | WIRE AWG | END B |
|-------|-------------|------------|----------|-------|
| 1 | VBUS (+5V) | RED | 20 | - |
| 2 | DATA - | WHITE | 28 | - |
| 3 | DATA + | GREEN | 28 | - |
| 4 | GND | BLACK | 20 | - |
| 5 | 12V GND | BLUE | 20 | - |
| 6 | +12V | BROWN | 20 | - |
| 7 | +12V | ORANGE | 20 | - |
| 8 | 12V GND | YELLOW | 20 | - |
| SHELL | FRAME GND | - | SHIELD | - |

Mark with 10075076001 REV. proj_revision in area indicated by X....

| | | | | |
|----------------|-------------------|------------|----------------|-------------|
| Material | Spec ref | spec_ref | projection | MM |
| Mat code | surface | tolerance | ISO 406 | Scale - |
| Heat treat | ISO 1302 | ISO 1101 | ISO 1101 | |
| Plating/Finish | Dr Sunny Tsai | 10/11/2007 | Product family | CABLE ASS'Y |
| | Eng Sunny Tsai | 10/11/2007 | Model Name | ECN |
| | Chr Jackson Wang | 10/11/2007 | Model Revision | REL Level |
| | Appr Jackson Wang | 10/11/2007 | size | A3 |
| | | | dwg no | 10084088 |
| | | | Rev. | A |

| LINEAR | ANGULAR | 0° | ±2° | - | - | - | - |
|--------|---------|----|-----|---|---|---|---|
| | | | | | | | |

| | | | | | | |
|------------|------------|---|--------------|--------------|------|---|
| FCI | title | SINGLE END POWER USB 12V CABLE ASSEMBLY - BLACK | dwg no | 10084088 | Rev. | A |
| Pro/E file | catalog no | | CUSTOMER DWG | sheet 1 of 3 | | |

2

3PDM: Rev:A STATUS **Released** Printed: Jul 10, 2009

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| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

| | |
|--------------|-------------|
| FCI PART NO. | SEE SHEET 1 |
|--------------|-------------|

NOTES:

1. MATES WITH FCI PART NUMBER: 55917/57496.
2. UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE=
 - = < 1 METER = ±15.0mm
 - > 1 METER TO 10 METER = ±2% OF L1 OR L2
 - > 10 METER = +0%/-4% OF L1 OR L2
3. PART NUMBER SCHEME FOR CABLE ASSEMBLY:
 10084088 - Z X X X X Y Y LF
 LF: LEAD FREE
 NOT APPLICABLE TO THIS ASSEMBLY
 NOT APPLICABLE TO THIS ASSEMBLY
 LENGTH (XX: METERS; XX: CENTIMETERS)
 EXAMPLE FOR LENGTH GIVEN BELOW:
 0050: 00 METERS 50 CENTIMETERS
 WIRE GAGE
 Z: MULTIPLE WIRE GAGE
4. UNLESS OTHERWISE SPECIFIED LABEL POSITION SHALL BE APPROXIMATELY 60mm FROM REAR OF CONNECTOR.
5. UNLESS OTHERWISE SPECIFIED STANDARD LABEL SHALL BE BRADY LABEL P/N THT-10-427-30.
 LABEL DETAILS:

| | |
|-------------------|------------------------------|
| FCI | ---MANUFACTURER CODE OR NAME |
| 10084088-ZXXXXYLF | ---FCI P/N |
| REV.A | ---REVISION |
| WWYY | ---DATE CODE WWYY FORMAT |
| MADE IN CHINA | ---COUNTRY ORIGIN |
6. ALL CABLE ASSEMBLIES SHALL BE TESTED 100% FOR CONTINUITY AS DEFINED IN WIRING LIST.
7. UNLESS OTHERWISE SPECIFIED ALL CABLE ASSEMBLIES SHALL BE 100% HI-POT TESTED BY APPLYING 300V DC FOR MINIMUM OF 10ms, UNLESS ACTIVE COMPONENTS ARE USED IN THIS ASSEMBLY.
8. OTHER TESTING PERFORMED AS REQUIRED:
 DIELECTRIC RESISTANCE: 50M Ohms MIN.
 CONNECTION RESISTANCE: 0.8 Ohms MAX. (-Z0050YYLF, 0.5MR LENGTH)
 1.0 Ohms MAX. (-Z0100YYLF, 1.0MR LENGTH)
 1.2 Ohms MAX. (-Z0300YYLF, 3.0MR LENGTH)
 1.8 Ohms MAX. (-Z0500YYLF, 5.0MR LENGTH)
9. THIS DIMENSION IS A FINISHED PRODUCT LENGTH.
10. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
11. CONNECTOR ASSEMBLIES SHOWN ARE FOR REFERENCE ONLY AND MAY NOT SHOWN ALL PART DETAIL, REFERENCE CONNECTOR ASSEMBLY DRAWINGS FOR COMPLETE DETAILS.
12. PACKAGE: EACH CABLE ASSEMBLY IN CLEAR ZIP-LOCK BPLY BAG, THEN BULK PACKED IN A BOX.

| TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
|---------------------------------------|----|-----|--|
| LINEAR | | | |
| ANGULAR | 0° | ±2° | |

| Mark with 10075076001 REV. proj_revision in area indicated by X.... | | | |
|---|-------------|----|------|
| rev | ecn no | dr | date |
| - | See sheet 1 | - | - |

| | | | | |
|---|-------------------|--------------|----------------|-------------|
| Material | Spec ref | spec_ref | projection | MM |
| Mat code | surface | tolerance | ISO 406 | |
| Heat treat | ISO 1302 | ISO 1101 | ISO 1101 | |
| Plating/Finish | Dr Sunny Tsai | 10/11/2007 | Product family | CABLE ASS'Y |
| | Eng Sunny Tsai | 10/11/2007 | Model Name | ECN |
| | Chr Jackson Wang | 10/11/2007 | Model Revision | REL Level |
| | Appr Jackson Wang | 10/11/2007 | size | A3 |
| | | | Scale | - |
| | | | REL Level | |
| | | | | |
| SINGLE END POWER USB 12V CABLE ASSEMBLY - BLACK | | | 10084088 | Rev. A |
| Pro/E file | catalog no | CUSTOMER DWG | sheet 2 of 3 | |

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1 FCI PART NO. SEE SHEET 1

NOTES:
13. COMPONENT DETAIL
A) Pwr USB CONNECTOR KIT:

| MATERIALS | SPECIFICATIONS |
|---------------------------------|--|
| SHELLS | HIGH STRENGTH COPPER ALLOY |
| HOUSINGS | THERMOPLASTIC UL94V-0 RATED, COLOR: TEAL |
| TERMINALS | HIGH STRENGTH COPPER ALLOY |
| COVERS | THERMOPLASTIC UL94V-0 RATED PEBBLE GRAY |
| PLATING | |
| SHELL | UNDERPLATE; 40 MICRONS NI 100 MICRONS MIN BRIGHT TIN |
| TERMINALS | UNDERPLATE; 40 MICRONS NI CONTACT AREA; 30 MICRONS GXT TAIL AREA; 100 MICRONS MATTED TIN |
| ELECTRICAL | |
| VOLTAGE RATING | USB; 5.25VDC, +POWER; 12VDC |
| DIELECTRIC WITHSTANDING VOLTAGE | 750 VAC |
| INSUL. RESISTANCE | 1000 MEG OHMS AT 500 VDC |
| CURRENT RATING(NOTE 1) | 1.50A USB SECTION 3.00A POWER SECTION |

B) Pwr USB CABLE:
SPEC: 28AWG*1P+20AWG*6C+AL/MYLAR+DRAIN+BRAID
1) UL TYPE: CM
CSA TYPE: CMG
2) CONSTRUCTION:

| ITEM | SPECIFICATIONS | | |
|------------------------------------|--------------------------------|--|---------------|
| CONDUCTOR | AWG | 28AWG | 20AWG |
| | MATERIAL | TINNED COPPER | TINNED COPPER |
| | COND.SIZE | 7/0.127mm | 19/0.20mm |
| INSULATION | MATERIAL | HD-PE | SR-PVC |
| | OD | 0.80±0.05mm | 1.5±0.05mm |
| | NO. | 1PAIR | 6C |
| AL/MYLAR | COVERAGE | 100% | |
| | OVERLAP | 25% Min. | |
| DRAIN | AWG | 28AWG | |
| | MATERIAL | TINNED COPPER | |
| | COND.SIZE | 7/0.127mm | |
| BRAID | MATERIAL | TINNED COPPER | |
| | SIZE | 16/7/0.10mm | |
| JACKET | MATERIAL | PVC | |
| | OD | 6.50±0.25mm | |
| | COLOR | BLACK (OTHER COLORS AVAILABLE ON REQUEST) | |
| ELECTRICAL CHARACTERISTICS | | | |
| RATING | RATING: TEMP 80°C | | VOLTAGE 30V |
| Conductor Resistance at 20°C (MAX) | 28AWG < 237.25 Ohm/KM | | |
| | 20AWG < 34.6 Ohm/KM | | |
| IMPEDANCE (Differential) | 90 Ohm±15%; at TDR | | |
| DELAY | < 26ns/Cable; at TDR | | |
| SKEW | 100ps MAX. | | |
| ATTENUATION | Refer to USB 2.0 Specification | | |

Mark with 10075076001 REV. proj_revision in area indicated by X....

| rev | ecn no | dr | date |
|-----|-------------|----|------|
| - | See Sheet 1 | - | - |
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| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

| | | | | |
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| FCI | | SINGLE END POWER USB 12V CABLE ASSEMBLY - BLACK | | Rev. A |
| Pro/E file | catalog no | dwg no | 10084088 | CUSTOMER DWG sheet 3 of 3 |

REV 7 - 886-14-D

2

3PDM: Rev:A STATUS: Released Printed: Jul 10, 2009