

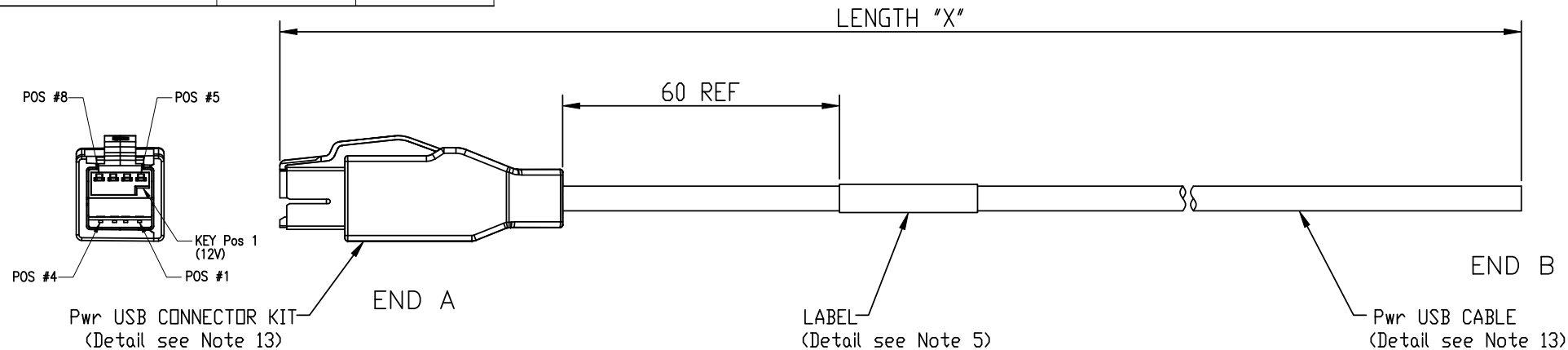
1

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 |



PIN ASSIGNMENT

| 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. proi_revision
in area indicated
by X....

| rev | ecn no | dr | date |
|-----|----------|----|-----------|
| A | N08-0120 | ST | 6/18/2008 |

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

| Material | | Spec ref | spec_ref | |
|----------------|--------------|--------------------------|----------------|-------------|
| Mat code | | surface | tolerance | projection |
| Heattreat | | ISO 1302 | ISO 406 | MM |
| Plating/Finish | | | ISO 1101 | |
| Dr | Sunny Tsai | 10/11/2007 | size | Scale |
| Eng | Sunny Tsai | 10/11/2007 | A3 | - |
| Chr | Jackson Wang | 10/11/2007 | Product family | CABLE ASS'Y |
| Appr | Jackson Wang | 10/11/2007 | Model Name | ECN |
| | | | Model Revision | REL Level |
| FCI | | title | no | |
| | | SINGLE END POWER USB 12V | 10084088 | |
| | | CABLE ASSEMBLY - BLACK | Rev. | |
| Pro/E file | | catalog no | A | |
| | | CUSTOMER DWG | sheet 1 of 3 | |

REV F - 2006-04-17

2

3 PDM: Rev:A

STATUS: Released

Printed: Jul 10, 2009

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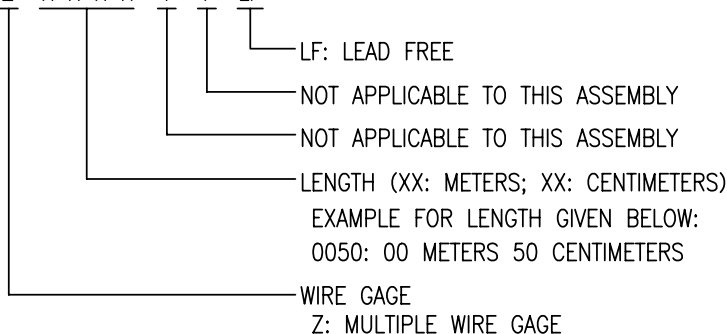
FCI PART NO. SEE SHEET 1

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



- 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 CLDEAR ZIP-LOCK BPLY BAG, THEN BULK PACKED IN A BOX.

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

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

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

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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 MICROINCHES NI 100 MICROINCHES MIN BRIGHT TIN |
| TERMINALS | UNDERPLATE; 40 MICROINCHES NI CONTACT AREA; 30 MICROINCHES GXT TAIL AREA; 100 MICROINCHES 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 |

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

| Material | Spec ref | spec_ref | projection | MM |
|-------------------|--|---------------------|--------------|-------|
| Mat code | surface | tolerance | | |
| Heat treat | ISO 1302 | ISO 406 ISO 1101 | | |
| Plating/Finish | | | size | Scale |
| Dr Sunny Tsai | 10/11/2007 | | A3 | - |
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| | | | REL Level | |
| | title | cu dwg | | Rev. |
| | SINGLE END POWER USB 12V CABLE ASSEMBLY - BLACK | 10084088 | | A |
| Pro/E file | catalog no | CUSTOMER DWG | sheet 3 of 3 | |

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

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<http://moschip.ru/get-element>

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