

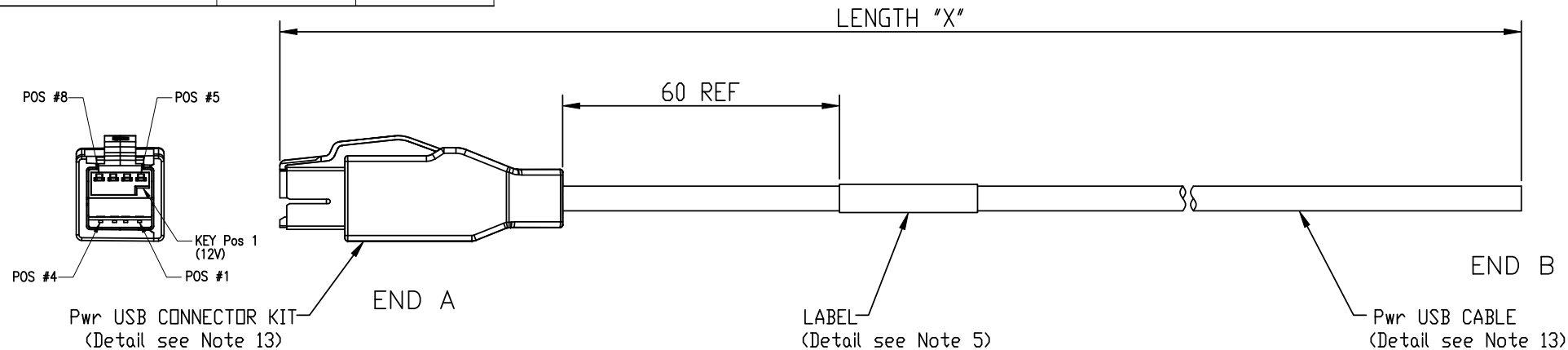
1

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  |
| Heat treat     |              | 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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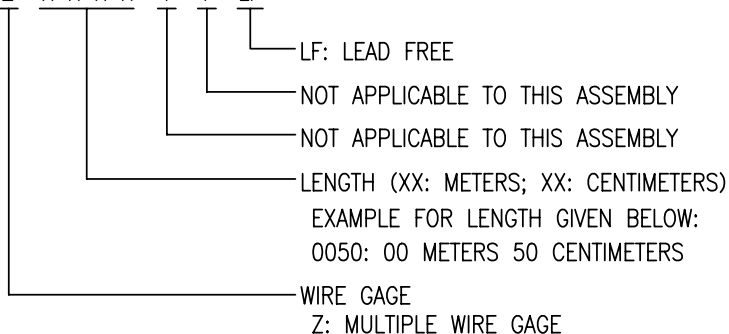
FCI PART NO. SEE SHEET 1

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-ZXXXXYYLF | --- | 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                                  |              | size       | Scale        |
| Eng            | Sunny Tsai   | 10/11/2007 | CABLE ASS'Y                                     |              | A3         | -            |
| Chr            | Jackson Wang | 10/11/2007 | Model Name                                      |              | ECN        |              |
| Appr           | Jackson Wang | 10/11/2007 | Model Revision                                  |              | REL Level  |              |
| FCJ            |              |            | title   |              | dwg no     | Rev.         |
|                |              |            | SINGLE END POWER USB 12V CABLE ASSEMBLY - BLACK |              | 10084088   | A            |
| Pro/E file     |              |            | catalog no                                      | CUSTOMER DWG |            | 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<br>100 MICROINCHES MIN BRIGHT TIN  |
| TERMINALS                       | UNDERPLATE; 40 MICROINCHES NI<br>CONTACT AREA; 30 MICROINCHES GXT<br>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<br>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<br>(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<br>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 |
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| -   | See Sheet 1 | -  | -    |
| -   | -           | -  | -    |
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| -   | -           | -  | -    |
| -   | -           | -  | -    |

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

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