

1

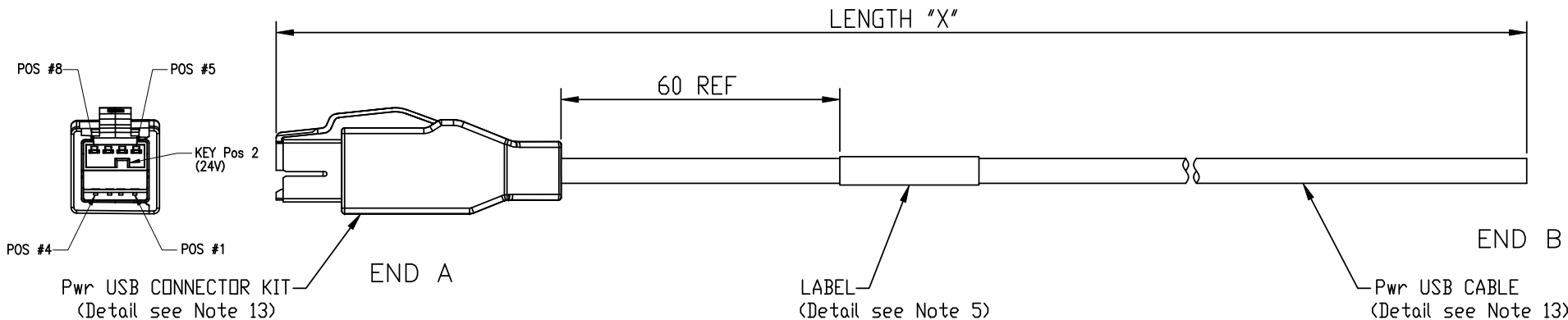
2

3

4

FCI PART NO.	POWER TYPE	LENGTH "X"
10084089-Z0050YYLF	24V	500+25/-0
10084089-Z0100YYLF	24V	1000±15
10084089-Z0300YYLF	24V	3000±25
10084089-Z0500YYLF	24V	5000±25

FCI CONFIDENTIAL



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	24V GND	BLUE	20	-
6	+24V	BROWN	20	-
7	+24V	ORANGE	20	-
8	24V 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

Material		Spec ref		spec_ref	
Mat code	Heatreat	surface	tolerance	projection	MM
Plating/Finish		ISO 1302	ISO 406 ISO 1101		
Dr	Sunny Tsai	10/11/2007	Product family	CABLE ASS'Y	size A3
Eng	Sunny Tsai	10/11/2007	Model Name		Scale -
Chr	Jackson Wang	10/11/2007	Model Revision		ECN
Appr	Jackson Wang	10/11/2007			REL Level
FCI		title		no	
		SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		10084089	
Pro/E file		catalog no		CUSTOMER DWG	
				sheet 1 of 3	
				Rev. A	

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

REV F - 2006-04-17

2

3 PDM: Rev:A

STATUS Released

Printed: Jul 10, 2009

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCI. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCI. Copyright FCI.

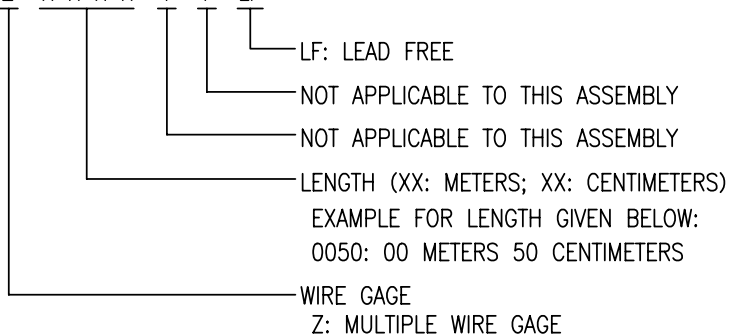
FCI PART NO. SEE SHEET 1

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:

10084089 - 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
10084089-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	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Material			Spec ref		spec_ref	
Mat code			surface	tolerance	projection	MM
Heat/treat			ISO 1302	ISO 406 ISO 1101		
Plating/Finish			size		Scale	-
Dr	Sunny Tsai	10/11/2007	A3			
Eng	Sunny Tsai	10/11/2007	Product family		CABLE ASS'Y	
Chr	Jackson Wang	10/11/2007	Model Name		ECN	
Appr	Jackson Wang	10/11/2007	Model Revision		REL Level	
FCI			title		dwg no	Rev.
			SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		10084089	A
Pro/E file			catalog no		CUSTOMER DWG	sheet 2 of 3

TOLERANCES UNLESS OTHERWISE SPECIFIED			
LINEAR			
ANGULAR	0°	±2°	

FCI CONFIDENTIAL



This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCI. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCI. Copyright FCI.

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: RED
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;24VDC
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

FCI CONFIDENTIAL



This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCI. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCI. Copyright FCI.

Mark with 10075076001 REV. prai\_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		
Heat treat	ISO 1302	ISO 406 ISO 1101		
Plating/Finish	Dr Sunny Tsai	10/11/2007	size	Scale
	Eng Sunny Tsai	10/11/2007	A3	-
	Chr Jackson Wang	10/11/2007	ECN	
	Appr Jackson Wang	10/11/2007	REL Level	
FCI	title	SINGLE END POWER USB 24V CABLE ASSEMBLY - BLACK		Rev. A
Pro/E file	catalog no	10084089	CUSTOMER DWG	sheet 3 of 3

TOLERANCES UNLESS OTHERWISE SPECIFIED			
LINEAR			
ANGULAR	0°	±2°	