

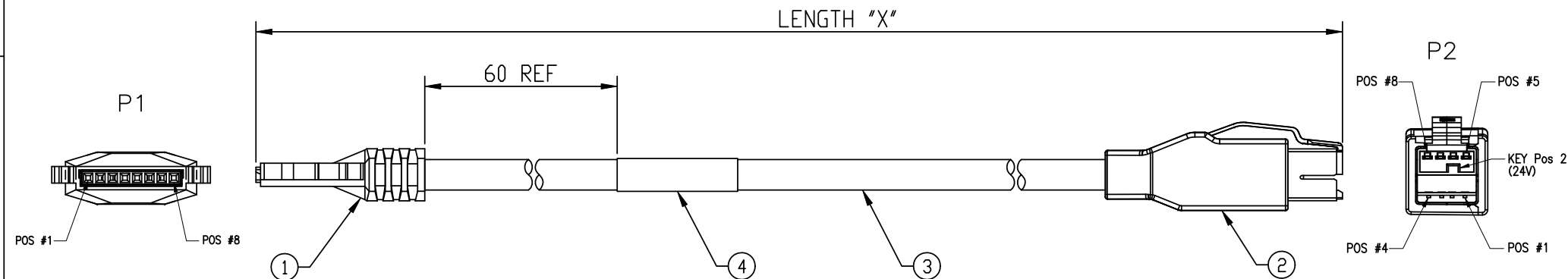
1

2

3

4

FCI PART NO.	POWER TYPE	LENGTH "X"
10083511-Z0050YYLF	24V	500+25/-0
10083511-Z0100YYLF	24V	1000±15
10083511-Z0300YYLF	24V	3000±25
10083511-Z0500YYLF	24V	5000±25



PIN ASSIGNMENT

P1	SIGNAL NAME	WIRE COLOR	WIRE AWG	P2
6	VBUS (+5V)	RED	20	1
5	DATA -	WHITE	28	2
4	DATA +	GREEN	28	3
3	GND	BLACK	20	4
1	24V RETURN	BLUE	20	5
2	+24V	BROWN	20	6
7	+24V	ORANGE	20	7
8	24V RETURN	YELLOW	20	8
SHELL	FRAME GND	BRAID		SHELL

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	MM
Heattreat	ISO 1302	ISO 406		
Plating/Finish		ISO 1101		
Dr Sunny Tsai	11/7/2007	size	A3	Scale
Eng Sunny Tsai	11/7/2007	Product family	CABLE ASS'Y	-
Chr Jackson Wang	11/7/2007	Model Name		ECN
Appr Jackson Wang	11/7/2007	Model Revision		REL Level
FCI		title	CABLE: USB+POWER(24V) TO 1X8 LATCH-N-LOK (ROHS)	no
Pro/E file	catalog no	10083511		Rev. A
		CUSTOMER DWG	sheet 1 of 2	

REV F - 2006-04-17

2

3 PDM: Rev:A

STATUS Released

Printed: Jul 10, 2009

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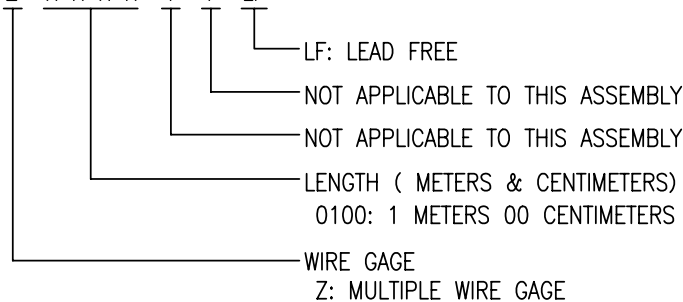
FCI PART NO. SEE SHEET 1

NOTES:

- 1. USB+POWER MATES WITH FCI PART NUMBER: 55917-6XXLF.
1x8 LATCH-N-LOK MATES WITH FCI PART NUMBER: 69913-XXXLF.
- 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:

10083511 - 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
10083511-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: DC 300V/10ms

8. OTHER ELECTRICAL SPECIFICATIONS:

- DIELECTRIC RESISTANCE: 50M Ohms MIN.
- CONNECTION RESISTANCE: 0.8 Ohms MAX. (-Z0050YYLF, 0.5MR LENGTH)
1.2 Ohms MAX. (-Z0100YYLF, 1.0MR LENGTH)
1.5 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.
- 13. MATERIAL:

4	1	EA	ADHESIVE LABEL.
3	AR	MM	USB+POWER CABLE: 28AWG*1P+20AWG*6C+SHIELD.
2	1	EA	USB+POWER PLUG KIT (24V) TYPE A, KEY POSITION 2, FCI P/N: 74233-202LF.
1	1	EA	1X8 LATCH-N-LOK 360° SHIELDED PLUG CONNECTOR KIT, PEBBLE GRAY, FCI P/N: 74903-709LF.
ITEM	Q'TY	UNIT	DESCRIPTION

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		Scale
Plating/Finish			ISO 1101		
Dr	Sunny Tsai	11/7/2007	Product family	CABLE ASS'Y	A3
Eng	Sunny Tsai	11/7/2007	Model Name	ECN	-
Chr	Jackson Wang	11/7/2007	Model Revision	REL Level	
Appr	Jackson Wang	11/7/2007			
FCI			title	CABLE :USB+POWER(24V) TO 1X8 LATCH-N-LOK (ROHS)	Rev. A
Pro/E file			catalog no	10083511	sheet 2 of 2
			CUSTOMER DWG		

TOLERANCES UNLESS OTHERWISE SPECIFIED			
LINEAR			
ANGULAR	0°	±2°	

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