

FCI CONFIDENTIAL



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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

2

LENGTH "X"

P1

POS #1

POS #8

60 REF

①

④

③

②

P2

POS #8

POS #5

KEY Pos 2 (24V)

POS #4

POS #1

3

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

4

Mark with
10075076001
REV. prai_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
Heattreat	ISO 1302	ISO 406
Plating/Finish		ISO 1101
Dr Sunny Tsai	11/7/2007	
Eng Sunny Tsai	11/7/2007	Product family CABLE ASS'Y
Chr Jackson Wang	11/7/2007	Model Name
Appr Jackson Wang	11/7/2007	Model Revision

size	Scale
A3	-

REL Level

FCI

title

CABLE: USB+POWER(24V)
TO 1X8 LATCH-N-LOK (ROHS)

dwg no

10083511

Rev.

A

Pro/E file

catalog no

CUSTOMER DWG

sheet 1 of 2

3

PDM: Rev:A

STATUS

Released

Printed: Jul 10, 2009



1

2

3

4

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

LF: LEAD FREE

NOT APPLICABLE TO THIS ASSEMBLY

NOT APPLICABLE TO THIS ASSEMBLY

LENGTH (METERS & CENTIMETERS)
0100: 1 METERS 00 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	---
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

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

rev	ecn no	dr	date
-	See sheet 1	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

TOLERANCES UNLESS OTHERWISE SPECIFIED			
LINEAR			
ANGULAR	0°	±2°	

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

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