



1			2		3		4	
FCI PART NO.	POWER TYPE	LENGTH "X"						
10083512-Z0050YYLF	12V	500+25/-0						
10083512-Z0100YYLF	12V	1000±15						
10083512-Z0300YYLF	12V	3000±25						
10083512-Z0500YYLF	12V	5000±25						

LENGTH "X"

60 REF

P1

POS #1

POS #5

POS #2

POS #6

P2

POS #8

POS #5

KEY Pos 1 (12V)

POS #4

POS #1

①

④

③

②

P1	SIGNAL NAME	WIRE COLOR	WIRE AWG	P2
1	VBUS (+5V)	RED	20	1
2	DATA -	WHITE	28	2
3	DATA +	GREEN	28	3
4	GND	BLACK	20	4
5	12V RETURN	BLUE	20	5
6	+12V	BROWN	20	6
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	Heattreat	Plating/Finish	surface	tolerance
			ISO 1302	ISO 406 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	ECN	
Appr Jackson Wang	11/7/2007	Model Revision	REL Level	
FCI			title	10083512
CABLE: USB+POWER(12V) TO 2X3 LATCH-N-LOK (ROHS)			dwg no	Rev. A
Pro/E file			catalog no	
CUSTOMER DWG			sheet 1 of 2	

3PDM: 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: 55917-5XXLF.
2x3 LATCH-N-LOK MATES WITH FCI PART NUMBER: 78097-XXXLF.

2. UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE
=< 1 METER= $\pm 15.0\text{mm}$
> 1 METER TO 10 METER= $\pm 2\%$ OF L1 OR L2
> 10 METER= $+0\%/-4\%$ OF L1 OR L2

3. PART NUMBER SCHEME FOR CABLE ASSEMBLY:

10083512 - 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	---	MANUFACTURER CODE OR NAME
10083512-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	PC	ADHESIVE LABEL.
3	AR	MM	USB+POWER CABLE: 28AWG*1P+20AWG*4C+SHIELD.
2	1	PC	USB+POWER PLUG KIT (12V) TYPE A, KEY POSITION 1, FCI P/N: 74233-102LF.
1	1	PC	2X3 LATCH-N-LOK 360° SHIELDED PLUG CONNECTOR KIT, PEBBLE GRAY, FCI P/N: 74902-609LF.
ITEM	Q'TY	UNIT	DESCRIPTION

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°	

Material				Spec ref		spec_ref			
Mat code				surface		tolerance		projection	
Heattreat				ISO 1302		ISO 406 ISO 1101			
Plating/Finish									
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(12V) TO 2X3 LATCH-N-LOK (ROHS)				10083512		A	
Pro/E file		catalog no				CUSTOMER DWG		sheet 2 of 2	