

1

2

3

4

FCI PART NO.	POWER TYPE	LENGTH "X"
10089745-Z0050YYLF	12V	500±25/-0
10089745-Z0100YYLF	12V	1000±15
10089745-Z0200YYLF	12V	2000±20
10089745-Z0300YYLF	12V	3000±25
10089745-Z0500YYLF	12V	5000±25

A

B

C

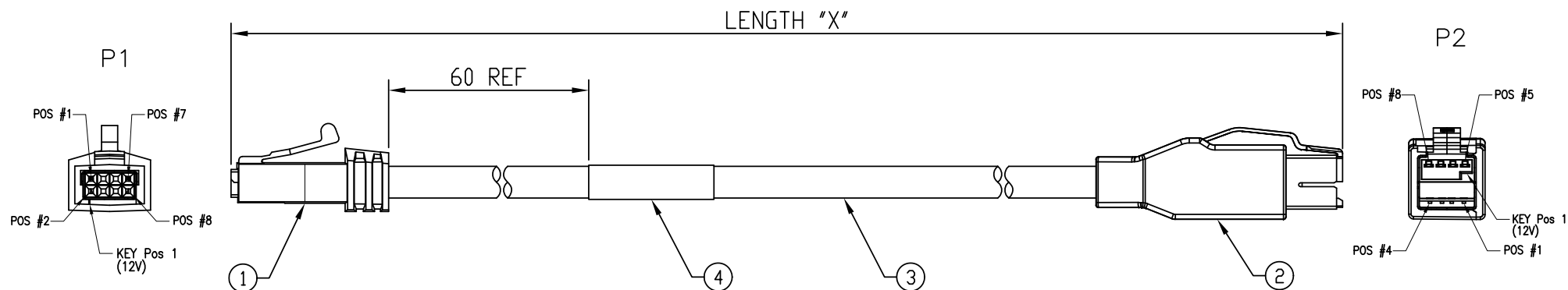
D

A

B

C

D



PIN ASSIGNMENT

P1	SIGNAL NAME	WIRE COLOR	WIRE AWG	P2
3	VBUS (+5V)	RED	20	1
6	DATA -	WHITE	28 *	2
4	DATA +	GREEN	28 *	3
5	GND	BLACK	20	4
1	12V RETURN	BLUE	20	5
2	+12V	BROWN	20	6
8	+12V	ORANGE	20	7
7	12V RETURN	YELLOW	20	8
SHELL	FRAME GND	BRAID		SHELL

* TWISTED PAIR

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

Material				Spec ref		spec_ref			
Mat code				surface		tolerance		projection	
Heattreat				ISO 1302		ISO 406		MM	
Plating/Finish						ISO 1101			
Dr	Sunny Tsai	6/17/2008					size		Scale
Eng	Sunny Tsai	6/17/2008	Product family				CABLE ASS'Y		A3
Chr	Jackson Wang	6/17/2008	Model Name				ECN		
Appr	Jackson Wang	6/17/2008	Model Revision				REL Level		
		title				CABLE: USB+POWER(12V) TO 2X4 LATCH-N-LOK (ROHS)		dwg no	
						10089745		Rev	
Pro/E file		catalog no				CUSTOMER DWG		sheet 1 of 2	
								E	

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

2

3

PDS: Rev :E

STATUS:Released

Printed: Oct 15, 2013

FCI PART NO. SEE SHEET 1

NOTES:

1. USB+POWER MATES WITH FCI PART NUMBER: 55917-5XXLF.
2x4 LATCH-N-LOK MATES WITH FCI PART NUMBER:
74355-XY1LF OR 87316-XY1LF.

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:

10089745 - 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
10089745-ZXXXXYYLF	---	FCI P/N
REV.E	---	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. (FOR -Z0050YYLF)

1.2 Ohms MAX. (FOR -Z0100YYLF)

1.5 Ohms MAX. (FOR -Z0200YYLF)

1.8 Ohms MAX. (FOR -Z0300YYLF)

2.0 Ohms MAX. (FOR -Z0500YYLF)

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 (12V) TYPE A, KEY POSITION 1, FCI P/N: 74233-102LF.
1	1	EA	2X4 LATCH-N-LOK 360° SHIELDED PLUG CONNECTOR KIT, <12V> KEY POSITION 1, BLACK, FCI P/N: 98028-8041LF.
ITEM	Q'TY	UNIT	DESCRIPTION

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AS DEFINED IN WIRING LIST.

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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

LINER			-	-	-	-
			-	-	-	-
			-	-	-	-
ANGULAR	0°	±2°	-	-	-	-

Material		Spec ref		spec_ref		projection		MM	
Mat code		surface		tolerance		ISO 406		ISO 1101	
Heattreat		ISO 1302		ISO 1302		ISO 1302		ISO 1302	
Plating/Finish		Dr Sunny Tsai		6/17/2008		Product family		CABLE ASS'Y	
Dr Sunny Tsai		6/17/2008		Model Name		ECN		REL Level	
Chr Jackson Wang		6/17/2008		Model Revision		REL Level		REL Level	
Appr Jackson Wang		6/17/2008		Model Revision		REL Level		REL Level	
FCI		CABLE :USB+POWER<12V> TO 2X4 LATCH-N-LOK (RHS)		dwg no		10089745		Rev.	
Pro/E file		catalog no		CUSTOMER DWG		sheet 2 of 2		E	