

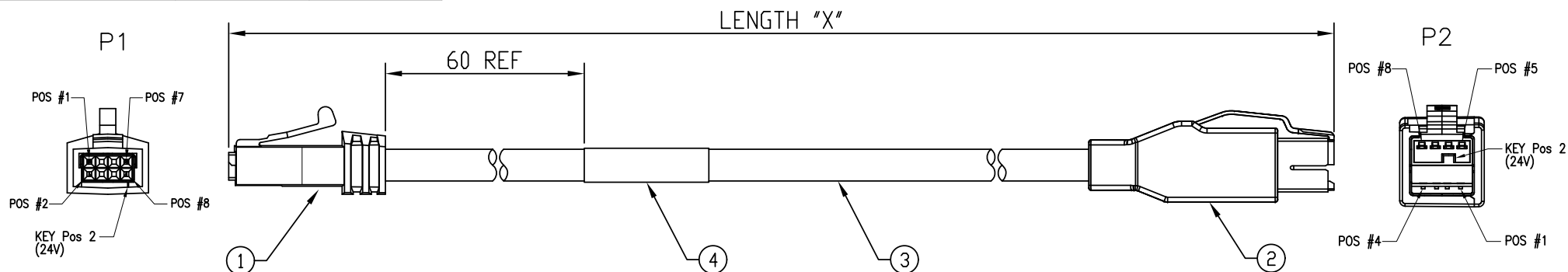
1

2

3

4

FCI PART NO.	POWER TYPE	LENGTH "X"
10089743-Z0050YYLF	24V	500±25/-0
10089743-Z0100YYLF	24V	1000±15
10089743-Z0200YYLF	24V	2000±20
10089743-Z0300YYLF	24V	3000±25
10089743-Z0500YYLF	24V	5000±25



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	24V RETURN	BLUE	20	5
2	+24V	BROWN	20	6
8	+24V	ORANGE	20	7
7	24V 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		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		Chr Jackson Wang		6/17/2008		Model Name	
Chr Jackson Wang		6/17/2008		Model Revision		REL Level		ECN	
Appr Jackson Wang		6/17/2008		Model Revision		REL Level		ECN	

rev	ecn no	dr	date
A	N08-0120	ST	6/18/2008
B	N08-0258	ST	11/28/2008
C	ECN-CLX-N-13469-1	ST	11/16/2012
D	ECN-CLX-N-15995-1	ST	10/4/2013
E	ECN-CLX-N-16031-1	ST	10/15/2013
-	-	-	-

TOLERANCES UNLESS OTHERWISE SPECIFIED

LINER			
ANGULAR	0°	±2°	-



CABLE: USB+POWER(24V)
TO 2X4 LATCH-N-LOK (ROHS)

Pro/E file

catalog no

dwg no

10089743

Rev.
E

CUSTOMER DWG

sheet 1 of 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: 55917-6XXLF.
2x4 LATCH-N-LOK MATES WITH FCI PART NUMBER:
74355-XY2LF OR 87316-XY2LF.

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:

10089743 - 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

10089743-ZXXXXYYLF

REV.E

WWYY

MADE IN CHINA

---MANUFACTURER CODE OR NAME

---FCI P/N

---REVISION

---DATE CODE WWYY FORMAT

---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 (24V) TYPE A, KEY POSITION 2, FCI P/N: 74233-202LF.
1	1	EA	2X4 LATCH-N-LOK 360° SHIELDED PLUG CONNECTOR KIT, <24V> KEY POSITION 2, BLACK, FCI P/N: 98028-8042LF.
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		projection	MM
Mat code		surface	✓	tolerance			
Heat treat		ISO 1302		ISO 406			
Plating/Finish				ISO 1101			
Dr	Sunny Tsai	6/17/2008	Product family		CABLE ASS'Y	size	Scale
Eng	Sunny Tsai	6/17/2008	Model Name		ECN	A3	-
Chr	Jackson Wang	6/17/2008	Model Revision		REL Level		
Appr	Jackson Wang	6/17/2008					
FCI		CABLE :USB+POWER<24V> TO 2X4 LATCH-N-LOK (ROHS)		dwg no		10089743	Rev. E
Pro/E file		catalog no		CUSTOMER DWG		sheet 2 of 2	