

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

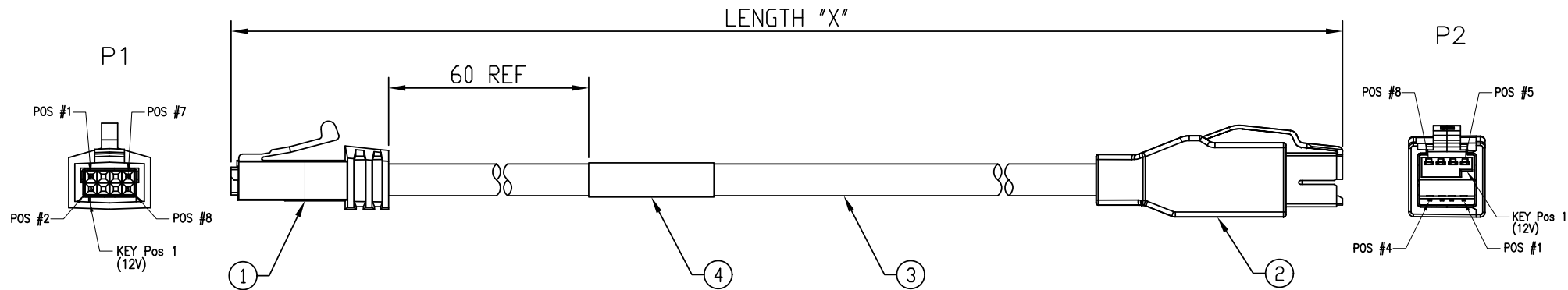
D

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	MM
Heattreat		ISD 1302	ISD 406 ISD 1101		
Plating/Finish		size		Scale	
Dr	Sunny Tsai	6/17/2008	A3	-	
Eng	Sunny Tsai	6/17/2008	Product family	CABLE ASS'Y	
Chr	Jackson Wang	6/17/2008	Model Name	ECN	
Appr	Jackson Wang	6/17/2008	Model Revision	REL Level	

rev	ecn no	dr	date
A	N08-0120	ST	6/18/2008
B	N09-0380	ST	11/30/2009
C	ECN-ELX-N-13469-1	ST	11/16/2012
D	ECN-ELX-N-15995-1	ST	10/4/2013
E	ECN-ELX-N-16651-1	ST	10/15/2013
-	-	-	-

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

	title	CABLE: USB+POWER(12V) TO 2X4 LATCH-N-LOK (RDHS)	dwg no	10089745	Rev.	E
	Pro/E file	catalog no		CUSTOMER DWG		sheet 1 of 2

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-XY11LF OR 87316-XY11LF.
- 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:
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

- 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

- 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

Mark with 10075076001 REV. proj_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
Heattreat		ISO 1302	ISO 406 ISO 1101		
Plating/Finish		Dr Sunny Tsai	6/17/2008	size	A3
		Eng Sunny Tsai	6/17/2008	Scale	-
		Chr Jackson Wang	6/17/2008	Product family CABLE ASS'Y	
		Appr Jackson Wang	6/17/2008	Model Name ECN	
				Model Revision REL Level	
		title CABLE :USB+POWER<12V> TO 2X4 LATCH-N-LOK (ROHS)		dwg no	10089745
Pro/E file		catalog no		Rev.	E
				CUSTOMER DWG	sheet 2 of 2

TOLERANCES UNLESS OTHERWISE SPECIFIED		
LINEAR		
ANGULAR	0°	±2°