

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

A

A

B

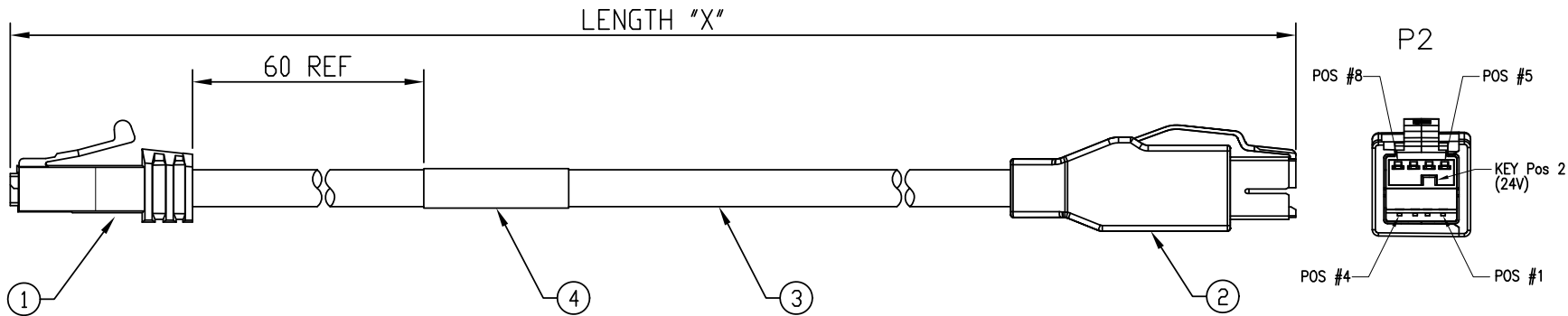
B

C

C

D

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	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. prj_revision in area indicated by X....

Material	Spec ref	spec_ref	projection	MM
Mat code	surface	tolerance	MM	
Heattreat	ISO 1302	ISO 406	ISO 1101	
Plating/Finish	Dr Sunny Tsai	6/17/2008	size	Scale
	Eng Sunny Tsai	6/17/2008	A3	-
	Chr Jackson Wang	6/17/2008	Product family	CABLE ASS'Y
	Appr Jackson Wang	6/17/2008	Model Name	ECN
			Model Revision	REL Level

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

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



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

dwg no

10089743

Rev. E

Pro/E file	catalog no	CUSTOMER DWG	sheet 1 of 2
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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= ±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:
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	---	MANUFACTURER CODE OR NAME
10089743-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 (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

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				Mat code		surface		tolerance		size		Scale	
				Heattreat		ISO 1302		ISO 406 ISO 1101		A3		-	
				Plating/Finish		Dr Sunny Tsai 6/17/2008		Product family CABLE ASS'Y		REL Level			
				Eng Sunny Tsai 6/17/2008		Chr Jackson Wang 6/17/2008		Model Name		ECN			
				Appr Jackson Wang 6/17/2008		Model Revision		REL Level					
				FCI		title 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			

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LINEAR			
ANGULAR	0°	±2°	