

PRODUCT NUMBER
SEE NOTE 3

10080068-IDE0006LF

CODING KEY
NOTE 3 AND 13

POS. 4

POS. 3

POS. 2

POS. 1

POS. 1
INDICATOR

LABEL
NOTE 5

CABLE
NOTE 3

END P1
PWR TWINBLADE
NOTE 11

285mm "DIM L1"
NOTE 2 AND 9

NOTE 4

WIRE TERMINATION
SEE TABLE SHT. 2

SHRINK TUBE

255mm "DIM L2"
NOTES 2 AND 9

2X (13.75)

2X (6.35)

2X (7.40)

(13.10)

(40.00)

(18.00)

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surface ☒ tolerance std

TOLERANCES UNLESS OTHERWISE SPECIFIED

projection
size A4

MM
Scale 1:2

rev	ecn no	dr	date
A	V07-0639	DAI	2007-10-11
B	V07-0678	DAI	2007-11-08
C	V08-0408	DAI	2008-09-19

Dr	D. INGRAM	2007-08-14
Eng	C. GROSS	2007-08-14
Chr	C. GROSS	2007-08-14
Appr	C. GROSS	2007-08-14

ANGULAR	0.X	±0.X
LINEAR	0.XX	±0.10
0° ±2°	0.XXX	±0.XXX
Product family	C&A	Spec ref



title
PWR TWINBLADE I/O
STRAIGHT CABLE ASSEMBLY

dwg no
10080068-IDE0006LF

Rev.
C

catalog no - CUSTOMER sheet 1 of 3

PRODUCT NUMBER
SEE NOTE 3
10080068-IDE0006LF

WIRING LIST SEE NOTE 6		TERMINATION TYPE
POS. 1	POSITIVE +	M5 RING: DIN 46234
POS. 2		M5 RING: DIN 46234
POS. 3	NEGATIVE -	M6 RING: DIN 46234
POS. 4		M6 RING: DIN 46234

NOTES:

1. MATES WITH FCI CONNECTOR: 51939-219LF.
- ②. UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE =
<= 1 METER: $\pm 15.0\text{mm}$
> 1 METER TO 10 METER: $\pm 2\%$ OF L1 AND $\pm 2\%$ OF L2
> 10 METER: $+0.00\%$ / -4% OF L1 AND $+0.00\%$ / -4% OF L2

- ③. PART NUMBER DESCRIPTION:
10080068 - I D E 0006 LF
LF: LEAD FREE (NOTE 10)

STYLE:		
	P1 CONNECTOR STYLE	TERMINATION
I:	STRAIGHT	SEE TABLE

CUSTOMER SPECIFIC DASH NUMBER
"DIM L1" = 285mm
"DIM L2" = 255mm

WIRE SIZE:

	AMERICAN WIRE GAGE	COMMERCIALLY EQUIVALENT NOMINAL VALUE (mm ²)
D:	10 AWG	2X6mm ² BLACK

CODING KEY:

	ORIENTATION SEE NOTE 13
E:	CUSTOMER INSTALLED



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SEE NOTE 3

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NOTES CONTINUED:

4. UNLESS OTHERWISE SPECIFIED LABEL POSITION SHALL BE APPROXIMATELY 100mm FROM REAR OF CONNECTOR.
5. UNLESS OTHERWISE SPECIFIED STANDARD LABEL SHALL BE BRADY LABEL P/N THT-10-427-3.
LABEL DETAILS;
-MANUFACTURER CODE OR NAME
-FCI P/N
-REVISION
-DATE CODE WW/YY FORMAT
-COUNTRY ORIGIN
FONT SHALL BE CLEARLY VISABLE AND BLACK IN COLOR.
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 BY APPLYING 300V DC FOR MINIMUM OF 10ms, UNLESS ACTIVE COMPONENTS ARE USED IN THIS ASSEMBLY.
8. OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION:GS-12-389
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. ASSEMBLY SHOWN IS FOR REFERENCE ONLY AND MAY NOT SHOW ALL PART DETAIL. REFERENCE CONNECTOR ASSEMBLY DRAWINGS FOR COMPLETE DETAILS.
12. PACKAGING SPECIFICATION: GS-14-1325. 
13. CODING KEY ASSEMBLED BY CUSTOMER, SEE CONNECTOR DRAWING 10066104 FOR DETAILS OF AVAILABLE OPTIONS.
14. FOR INFORMATION RELATING TO TERMINATION OF WIRES SEE TABLE.
15. "A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION." THE CURRENT REVISION WILL BE SHOWN IN THE SYMBOL.

16. ALL CUSTOMER DRAWINGS WILL BE SUPPLIED WITH METRIC DIMENSIONS.

17. MATERIALS:

TOP/BOTTOM COVERS	- HIGH TEMPERATURE NYLON
HOUSING	- HIGH TEMPERATURE NYLON
STRAIN RELIEF	- HIGH TEMPERATURE NYLON
LOCKING SPRING	- HIGH TEMPERATURE NYLON
CODING KEY	- HIGH TEMPERATURE NYLON - RED
TERMINAL CRIMP	- Cu ALLOY
TERMNAL BLADES	- Cu ALLOY
CONDUCTOR	- TINNED COPPER
JACKET	- POLYOLEFIN (PE)



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