

PRODUCT NUMBER
10099137-N0200BULF

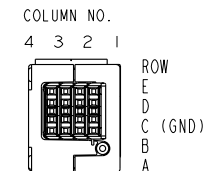
1000mm±15mm NOTE 7

(13.40)

LABEL
NOTE 4

24 AWG CABLE

(14.5 MAX.)
2X



END P2
SFP SUB ASSEMBLY
NOTE 9

50mm
NOTE 3

END P1
DENSI-SHIELD I/O
CONNECTOR
NOTE 9

POS. 1 POS. 20

8.45 MAX
(2X 12.2 MAX.)

(8.50)

(11.26)

(9.30)

(58.07)

(17.8 MAX.)

(26.0)

POS 1

(9.20)

POS 10

(13.70)

www.fciconnect.com			surface ☒	tolerance std	projection	MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	D. INGRAM	2009-03-23	ANGULAR	LINEAR	0.XX	±0.10	size A4
Eng	C. GROSS	2009-03-23					Scale 1:2
Chr	C. GROSS	2009-03-23	0° ±2°				ECN V10-0022
Appr	C. GROSS	2009-03-23	Product family			C&A	Spec ref -
FCI			title CABLE ASSEMBLY SFP TO DENSI-SHIELD			dwg no 10099137	Rev. B
			catalog no -			CUSTOMER	sheet 1 of 3

rev	ecn no	dr	date
A	V09-0124	DAI	2009-03-23
B	V10-0022	DAI	2010-01-20

REV F - 2006-04-17

PDM: Rev:B

STATUS:Released

Printed: Dec 23, 2010



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PIN OUT/WIRING LIST
SEE NOTE 5

END P2					END P1	
SFP	PIN	GROUND	WIRE	GROUND	PIN NUMBER	DENSI-SHIELD
VeeT	1	*	-----	*	C1	ground
TX_fault	2	*	-----	*	C2	ground
TX_Disable	3			*	C3	ground
MOD_DEF(2)	4			*	C4	ground
MOD_DEF(1)	5			NC	A2	reserved
MOD_DEF(0)	6	*		NC	A3	reserved
RateSelect	7			NC	A4	reserved
LOS	8	*		NC	B2	reserved
VeeR	9	*		NC	B3	reserved
VeeR	10	*		NC	B4	reserved
VeeR	11	*		NC	D2	reserved
RD-	12	- -	-----	-----	A1	tb2dul-N
RD+	13	- -	-----	-----	B1	tb2dul-P
VeeR	14	*		NC	D3	reserved
VccR	15			NC	D4	reserved
VccT	16			NC	E2	reserved
VeeT	17	*		NC	E3	reserved
TD+	18	- -	-----	-----	D1	dul2tb-P
TD-	19	- -	-----	-----	E1	dul2tb-N
VeeT	20	*		NC	E4	reserved

NC: NO CONNECT

*: CONNECTED INTERNALLY IN THE CONNECTOR

-----: WIRE CONNECTED

-|-: CAPACITOR 10nF



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	SFP TO DENSI-SHIELD						
catalog no		-	CUSTOMER		sheet 2 of 3		

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NOTES:

1. Densi-Shield Connector mates with FCI part numbers 10044471 series.
SFP Connector mates with Molex part number 74441.
2. Maximum applicable torque on Densi-Shield locking screw = 0.3um
3. Unless otherwise specified label position shall be approximately 50mm±15mm from rear of connector.



4. Unless otherwise specified standard label shall be FCI P/N 10081646-002
Label details:
 - Manufacturer code or name
 - Customer P/N or FCI P/N
 - Revision
 - Date code WW/YY format
 - Country origin

Font shall be clearly visible and black in color.

5. All cable assemblies shall be tested 100% for continuity as defined in wiring list.
6. Packaging per global standard GS-14-1272.
7. This dimension is a finished product length.
8. Lead free products meet European Union directives and other country regulations as described in GS-22-008.
9. Connector assemblies shown are for reference only and may not show all part detail. Reference connector assembly drawings for complete details.



10. Materials FCI Densi-Shield:
 - Covers: Plated Zinc Alloy
 - Sheet Metal Cover: Copper Alloy
 - Ferrules: Plated Copper Alloy
 - Thermal Block:
 - Housing: Thermoplastic
 - Terminals: Copper Alloy, Finish: Min 0.8um Au ON
 - Ni-Underlayer in contact area.
 - Transition Board: FR4 fiberglass filled epoxy.
 - Locking screw: Stainless steel
 - Screw stop: Teflon

Materials Molex SFP:
Covers: Plated Zinc Alloy
Latch - Glass filled polycarbonate
PCB - FR-4
Rivets - Plated steel
Impedance - 100 ohms differential, passive

11. Maximum applicable torque on Densi-Shield locking screw = 0.3uM



title	CABLE ASSEMBLY	
	SFP TO Densi-Shield	
catalog no	-	CUSTOMER

dwg no	10099137
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Rev.	B
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