

PRODUCT NUMBER
SEE TABLE I
10087273-00XLF

"DIM L" (NOTE 2, 3 AND 9)

VIEW A

SHT.2

(14.5 MAX.)
2X

VIEW A

SHT.2

LABEL
NOTE 5

CABLE
NOTE 3

END P1
DENSI-SHIELD I/O
CONNECTOR
NOTE 11

50mm
NOTE 4

END P2
DENSI-SHIELD I/O
CONNECTOR
NOTE 11

2X (7.50 MAX)

POS. A1 POS. A4

POS. E1 POS. E4

2X 12.2 MAX.





2X (26)

2X 8.45
MAX



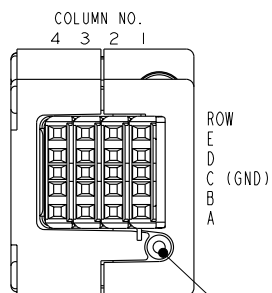
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rev	ecn no	dr	date
A	M08-0079	AGS	03/14/08
B	M08-0090	AGS	03/18/08
C	M08-0203	AGS	07/15/08
D	V09-0053	DAI	2009-03-24

www.fciconnect.com			surface - 		tolerance std -				MM 		
			TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	D. INGRAM	2009-03-24	ANGULAR	LINEAR			size	A4	Scale		
Eng	J. DUARTE	2009-03-24			0.XX	±0.10			1:2		
Chr	J. DUARTE	2009-03-24	0°	±2°			ECN	V09-0053			
Appr	J. DUARTE	2009-03-24	Product family			C&A	Spec ref				
		title	CABLE ASSEMBLY				dwg no	10087273		Rev	D
			DENSI-SHIELD I/O 8 PAIR								
		catalog no					CUSTOMER			sheet 1 of 4	

PRODUCT NUMBER
SEE TABLE 1

10087273-00XLF



VIEW A
SCALE 2:1
VIEWED FROM
MATING SIDE

TORX SCREW
NOTE 14

TABLE 2
PIN OUT/WIRING LIST
SEE NOTE 6

END P1		END P2	
PIN NUMBER	WIRE ID	PIN NUMBER	WIRE ID
C1-C4	GROUND	C1-C4	GROUND
A1	TN1	E1	RN1
B1	TP1	D1	RP1
D1	RP2	B1	TP2
E1	RN2	A1	TN2
A2	TN6	E2	RN6
B2	TP6	D2	RP6
D2	RP7	B2	TP7
E2	RN7	A2	TN7
A3	TN8	E3	RN8
B3	TP8	D3	RP8
D3	RP3	B3	TP3
E3	RN3	A3	TN3
A4	TN5	E4	RN5
B4	TP5	D4	RP5
D4	RP4	B4	TP4
E4	RN4	A4	TN4

DWx = DRAIN WIRE x
RPx = RECIEVER PAIR x, POSITIVE POLE
RNx = RECIEVER PAIR x, NEGATIVE POLE
TPx = TRANSMITTER PAIR x, POSITIVE POLE
TNx = TRANSMITTER PAIR, NEGATIVE POLE

	title	CABLE ASSEMBLY DENS1-SHIELD I/O 8 PAIR	dwg no	10087273	Rev.	D
	catalog no	-	CUSTOMER	sheet 2 of 4		

PRODUCT NUMBER - TABLE 1

FCI KIT P/N	FCI ASSEMBLY P/N	CUSTOMER ASSEMBLY P/N	QTY.
10087273-001LF	10054999-R0500BULF (NOTE 3)	02MBB00040AAX	4
10087273-002LF	10054999-R1000BULF (NOTE 3)	02MBB00040ABQ	4

NOTES:

1. MATES WITH FCI PART NUMBERS 10044471 SERIES.

2. UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE =
 = 1 METER: $\pm 15.0\text{mm}$
 > 1 METER TO 10 METER: $\pm 2\%$ OF "DIM L"
 > 10 METER: $+0/-4\%$ OF "DIM L"

3. PART NUMBER DESCRIPTION/DENSI-SHIELD CONNECTOR:
 10054999 - R XX XX B U LF

WIRE GAGE
 R: 30 AWG

LF: LEAD FREE (NOTE 10)

U: UN-EQUALIZED

HARDWARE TYPE

B: HIGH SPEED VERSION + TORX SCREW T-5

LENGTH "DIM L" NOTE 9
 XXXX: XX METERS, XX CENTIMETERS

EXAMPLES OF LENGTH GIVEN BELOW:
 0500 = 05 METERS 00 CENTIMETERS
 1000 = 10 METERS 00 CENTIMETERS

EXAMPLE: 10054999-R0500BULF = 30 AWG, 05 METER, 00 CENTIMETERS, HIGH SPEED TORX SCREW T-5, UN-EQUALIZED AND LEAD FREE

4. UNLESS OTHERWISE SPECIFIED LABEL POSITION SHALL BE APPROXIMATELY $50\text{mm} \pm 15\text{mm}$ FROM REAR OF CONNECTOR.

5. UNLESS OTHERWISE SPECIFIED STANDARD LABEL SHALL BE 10081646-002.
 LABEL DETAILS;

- MANUFACTURER CODE OR NAME
- CUSTOMER P/N OR FCI P/N
- REVISION
- DATE CODE (WW/YY FORMAT) - SERIAL NUMBER
- COUNTRY ORIGIN

FONT SHALL BE CLEARLY VISABLE AND BLACK IN COLOR.



title CABLE ASSEMBLY
 DENSI-SHIELD I/O 8 PAIR
 catalog no -

dwg no 10087273

Rev.
 D

CUSTOMER sheet 3 of 4

PRODUCT NUMBER
SEE TABLE I
10087273-00XLF

NOTES CONTINUED:

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 PER PRODUCT SPECIFICATION: GS-12-314.
8. OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-314.
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 SHOW ALL PART DETAIL. REFERENCE CONNECTOR ASSEMBLY DRAWINGS FOR COMPLETE DETAILS.
12. PACKAGING PER GLOBAL STANDARD GS-14-1272.
13. MATERIALS:
COVERS: ZINC ALLOY, Cu-Ni-Sn PLATED.
SHEET METAL COVER: COPPER ALLOY
FERRULES: COPPER ALLOY, Ni-Sn PLATED
TERMINAL 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
14. MAXIMUM APPLICABLE TORQUE ON LOCKING SCREW = 0.3um

	title	CABLE ASSEMBLY		dwg no	10087273	Rev	D
		DENSI-SHIELD I/O 8 PAIR					
	catalog no	-	CUSTOMER	sheet 4 of 4			

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

[10087273-001](#) [10087273-002](#)