

14 Connector Molex

15 Contact Molex

50-57-9402

16-02-0069

				Name	Date	
			Drawn By			r@@i@HARNESS
Fanel Distribution Cable	Part Number	SF-PDDC	Eng Approved			
		Revision 4	Mfg Approved			This document contains confidential and proprietary information
Description	Re		QA			that cannot be reproduced or divulged, in whole or in part, without written authorization.

Title:	
Part Number:	
Description:	



Id	Туре	Manufacturer	Part Number	Description
1	Cable	<u>'</u>	2 Wire 18 AWG unshielded - Red/Black	Generic Cable
2	Connector	Molex, LLC	0050579004	CONN HOUSING 4POS .100 SINGLE
3	Contact		28-26 AWG Pin Crimp	Generic Contact
4	Heat Shrink		Generic Heat Shrink	Generic Heat Shrink
5	Sleeving		Black Sleeving	Generic Sleeving - Kevlar, Braided
6	Sleeving		Black Sleeving	Generic Sleeving - Kevlar
7	Sleeving		White Sleeving	Generic Sleeving - Kevlar, Braided
8	Wire		UL1061 28 AWG Black	UL 1061 rated 28 AWG Black SR-PVC Hook-up wire
9	Wire		UL1061 28 AWG Blue	UL 1061 rated 28 AWG Blue SR-PVC Hook-up wire
10	Wire		UL1061 28 AWG Red	UL 1061 rated 28 AWG Red SR-PVC Hook-up wire
11	Connector	AMP	282104-1	AMP SUPERSEAL 1.5 SERIES 2P CA
12	Contact	AMP	282109-1	AMP MINI MIC TAB CONTACT
13	Wire Seal	AMP	281934-2	Amp SuperSeal 1.5 Single Wire Seal
14	Connector	Molex	50-57-9402	2 Position Rectangular Housing Connector Receptacle Black 0.100" (2.54mr
15	Contact	Molex	16-02-0069	Socket Contact Tin 24-30 AWG Crimp

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Title:	
Part Number:	
Description:	



From	То	Conductor	Conductor PN	Twist With	Gauge	Length	From Contact PN	Notes
C1.1	S2	CBL11.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 6 in	282109-1	
C1.2	S1	CBL11.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 6 in	282109-1	
C2.1	S22	W35.Black	UL1061 28 AWG Black		28 AWG	≥ 6 in	16-02-0069	
C2.2	C14.4	W10.Blue	UL1061 28 AWG Blue		28 AWG	≥ 9 in	16-02-0069	
C3.1	S2	W12.Black	UL1061 28 AWG Black		28 AWG	6 in	16-02-0069	
C3.2	C4.4	W11.Blue	UL1061 28 AWG Blue		28 AWG	≥ 9 in	16-02-0069	
C4.1	S2	W13.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C4.2	S1	W24.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C4.3	C5.4	W1.Blue	UL1061 28 AWG Blue		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
C5.1	S4	W14.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C5.2	S3	W25.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C5.3	C6.4	W3.Blue	UL1061 28 AWG Blue		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
C6.1	S6	W15.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C6.2	S5	W26.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C6.3	C7.4	W4.Blue	UL1061 28 AWG Red		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
C7.1	S8	W16.Black	UL1061 28 AWG Black		28 AWG	≥ 30 iii	·	
		W27.Red					28-26 AWG Pin Crimp	
C7.2	S7		UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C7.3	C8.4	W5.Blue W17.Black	UL1061 28 AWG Blue		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
C8.1	S10		UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C8.2	S9	W28.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C8.3	C9.4	W6.Blue	UL1061 28 AWG Blue		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
C9.1	S12	W18.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C9.2	S11	W29.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C10.1	S14	W19.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C10.2	S13	W30.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C11.1	S16	W20.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C11.2	S15	W34.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C11.3	C10.4	W9.Blue	UL1061 28 AWG Blue		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
C12.1	S18	W21.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C12.2	S17	W31.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C12.3	C11.4	W8.Blue	UL1061 28 AWG Blue		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
C13.1	S20	W22.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C13.2	S19	W32.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C13.3	C12.4	W2.Blue	UL1061 28 AWG Blue		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
C14.1	S22	W23.Black	UL1061 28 AWG Black		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C14.2	S21	W33.Red	UL1061 28 AWG Red		28 AWG	≥ 3 in	28-26 AWG Pin Crimp	
C14.3	C13.4	W7.Blue	UL1061 28 AWG Blue		28 AWG	≥ 30 in	28-26 AWG Pin Crimp	
S1	S3	CBL1.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S2	S4	CBL1.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S3	S5	CBL2.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S4	S6	CBL2.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S5	S7	CBL3.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S6	S8	CBL3.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S7	S9	CBL4.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S8	S10	CBL4.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S9	S11	CBL5.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S10	S12	CBL5.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S11	S13	CBL6.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S13	S15	CBL7.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S14	S12	CBL6.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S14	S16	CBL7.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S15	S17	CBL8.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S16	S18	CBL8.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S17	S19	CBL9.Red	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
S18	S20	CBL9.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		
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From	То	Conductor	Conductor PN	Twist With	Gauge	Length	From Contact PN	Notes
S20	S22	CBL10.Black	2 Wire 18 AWG unshielded - Red/Black		18 AWG	≥ 2 ft		

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Title:	
Part Number:	
Description:	



#	Туре	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
1	Cable	CBL1		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
2	Cable	CBL2		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
3	Cable	CBL3		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
4	Cable	CBL4		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
5	Cable	CBL5		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
6	Cable	CBL6		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
7	Cable	CBL7		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
8	Cable	CBL8		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
9	Cable	CBL9		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
10	Cable	CBL10		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 2 ft	
11	Cable	CBL11		2 Wire 18 AWG unshielded - Red/Black	☐☐ White		≥ 6 in	
12	Wire	W1		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
13	Wire	W2		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
14	Wire	W3		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
15	Wire	W4		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
16	Wire	W5		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
17	Wire	W6		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
18	Wire	W7		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
19	Wire	W8		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
20	Wire	W9		UL1061 28 AWG Blue	Blue	28 AWG	≥ 30 in	
21	Wire	W10		UL1061 28 AWG Blue	Blue	28 AWG	≥ 9 in	
22	Wire	W11		UL1061 28 AWG Blue	Blue	28 AWG	≥ 9 in	
23	Wire	W12		UL1061 28 AWG Black	Black	28 AWG	6 in	
24	Wire	W13		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
25	Wire	W14		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
26	Wire	W15		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
27	Wire	W16		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
28	Wire	W17		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
29	Wire	W18		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
30	Wire	W19		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
31	Wire	W20		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
32	Wire	W21		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
33	Wire	W22		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
34	Wire	W23		UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
35	Wire	W24		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
	Wire			UL1061 28 AWG Red		28 AWG		
37	Wire	W26		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
38	Wire	W27		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
39	Wire	W28		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
40	Wire	W29		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
41	Wire	W30		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
42	Wire	W31		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
43	Wire	W32		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
44	Wire	W33		UL1061 28 AWG Red	Red	28 AWG	≥ 3 in	
45	Wire	W34		UL1061 28 AWG Red	Red			
45				UL1061 28 AWG Red UL1061 28 AWG Black	Black	28 AWG	≥ 3 in	
40	Wire	W35		ULTUOT ZO AVVG DIACK	DIACK	28 AWG	≥ 6 in	

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#	Manufacturer	Part Number	Description	Label Text

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