

Physical

Bac	ksh	ell

Dacksnen	
Material:	High Temperature Thermoplastic
Flammability:	UL 94V-0
Color:	Black
Paddle-card	FR4
Flammability:	UL 94V-0
Plating	
Underplating:	50 μ" min. [1.27 μm] Nickel
Wiping Area:	30 µ" min. [0.76 µm] Gold
Cable	
Wire Size	
Conductor:	30 AWG Solid Tin Plated Solid Conductor
Drain Wire:	30 AWG Solid Tin Plated Solid Conductor
Dielectric:	Foam Polyethylene
Shield:	Mylar 100% Coverrage
Jacket:	Non-PVC
Jacket Braiding	
Material:	Nylon Braid

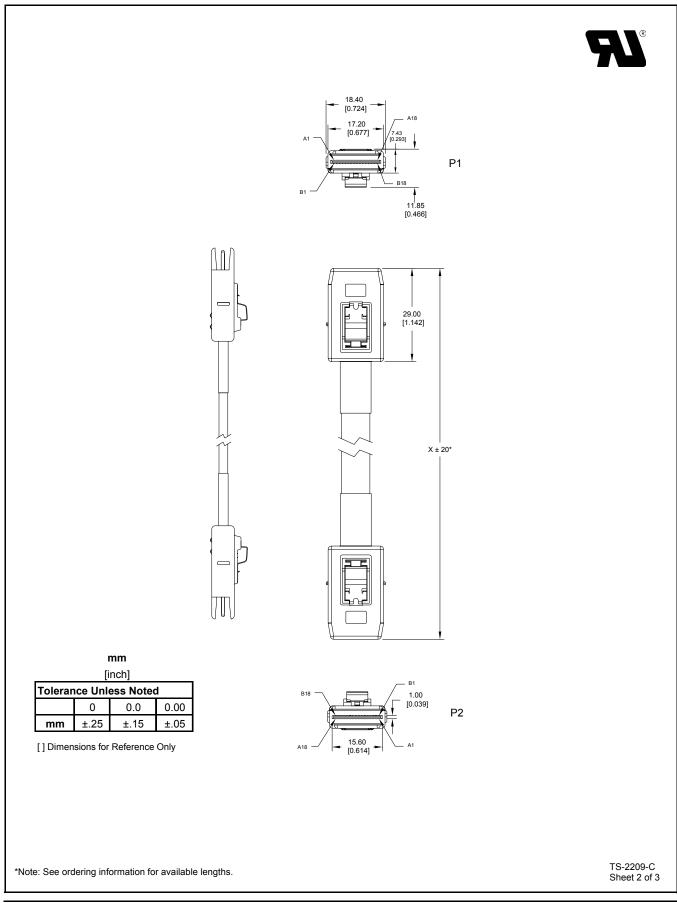
Electrical

Current Rating:Per Contact: 0.5 AInsulation Resistance: $10^3 \text{ M}\Omega \text{ min.}$ Withstanding Voltage: $300 \text{ V}_{DC} \text{ min.}$ for 1 minute

Environmental

Operating Temperature: -20°C to +80°C

UL File No.: E86982



	P1		P2	
A1	GND	B1	GND	B1
A2	Rx 0+	B2	Tx 0+	B2
A3	Rx 0-	B3	Tx 0-	B3
A4	GND	B4	GND	B4
A5	Rx 1+	B5	Tx 1+	B5
A6	Rx 1-	B6	Tx 1-	B6
A7	GND	B7	GND	B7
A8	SIDEBAND 7	B8	SIDEBAND 7	B8
A9	SIDEBAND 3	B9	SIDEBAND 3	B9
A10	SIDEBAND 4	B10	SIDEBAND 4	B10
A11	SIDEBAND 5	B11	SIDEBAND 5	B11
A12	GND	B12	GND	B12
A13	Rx 2+	B13	Tx 2+	B13
A14	Rx 2-	B14	Tx 2-	B14
A15	GND	B15	GND	B15
A16	Rx 3+	B16	Tx 3+	B16
A17	Rx 3-	B17	Tx 3-	B17
A18	GND	B18	GND	B18

	P1	P2			
B1	GND	A1	GND		
B2	Tx 0+	A2	Rx 0+		
B3	Tx 0-	A3	Rx 0-		
B4	GND	A4	GND		
B5	Tx 1+	A5	Rx 1+		
B6	Tx 1-	A6	Rx 1-		
B7	GND	A7	GND		
B8	SIDEBAND 0	A8	SIDEBAND 0		
B9	SIDEBAND 1	A9	SIDEBAND 1		
B10	SIDEBAND 2	A10	SIDEBAND 2		
B11	SIDEBAND 6	A11	SIDEBAND 6		
B12	GND	A12	GND		
B13	Tx 2+	A13	Rx 2+		
B14	Tx 2-	A14 Rx 2-			
B15	GND	A15 GND			
B16	Tx 3+	A16	Rx 3+		
B17	Tx 3-	A17	Rx 3-		
B18	GND	A18	GND		

Pinout 1

Backplane-to-Controller

	P1		P2		P1		P2
A1	GND	B1	GND	B1	GND	A1	GND
A2	Rx 0+	B2	Tx 0+	B2	Tx 0+	A2	Rx 0+
A3	Rx 0-	B3	Tx 0-	B3	Tx 0-	A3	Rx 0-
A4	GND	B4	GND	B4	GND	A4	GND
A5	Rx 1+	B5	Tx 1+	B5	Tx 1+	A5	Rx 1+
A6	Rx 1-	B6	Tx 1-	B6	Tx 1-	A6	Rx 1-
A7	GND	B7	GND	B7	GND	A7	GND
A8	SIDEBAND 7	B11	SIDEBAND 5	B8	SIDEBAND 0	A11	SIDEBAND 6
A9	SIDEBAND 3	B10	SIDEBAND 4	B9	SIDEBAND 1	A10	SIDEBAND 2
A10	SIDEBAND 4	B9	SIDEBAND 3	B10	SIDEBAND 2	A9	SIDEBAND 1
A11	SIDEBAND 5	B8	SIDEBAND 7	B11	SIDEBAND 6	A8	SIDEBAND 0
A12	GND	B12	GND	B12	GND	A12	GND
A13	Rx 2+	B13	Tx 2+	B13	Tx 2+	A13	Rx 2+
A14	Rx 2-	B14	Tx 2-	B14	Tx 2-	A14	Rx 2-
A15	GND	B15	GND	B15	GND	A15	GND
A16	Rx 3+	B16	Tx 3+	B16	Tx 3+	A16	Rx 3+
A17	Rx 3-	B17	Tx 3-	B17	Tx 3-	A17	Rx 3-
A18	GND	B18	GND	B18	GND	A18	GND

Pinout 2

Controller-to-Controller

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P1		P2			P1		P2		
A1	GND	B1	GND	B1	GND	A1	GND		
A2	Rx 0+	B2	Tx 0+	B2	Tx 0+	A2	Rx 0+		
A3	Rx 0-	B3	Tx 0-	B3	Tx 0-	A3	Rx 0-		
A4	GND	B4	GND	B4	GND	A4	GND		
A5	Rx 1+	B5	Tx 1+	B5	Tx 1+	A5	Rx 1+		
A6	Rx 1-	B6	Tx 1-	B6	Tx 1-	A6	Rx 1-		
A7	GND	B7	GND	B7	GND	A7	GND		
A12	GND	B12	GND	B12	GND	A12	GND		
A13	Rx 2+	B13	Tx 2+	B13	Tx 2+	A13	Rx 2+		
A14	Rx 2-	B14	Tx 2-	B14	Tx 2-	A14	Rx 2-		
A15	GND	B15	GND	B15	GND	A15	GND		
A16	Rx 3+	B16	Tx 3+	B16	Tx 3+	A16	Rx 3+		
A17	Rx 3-	B17	Tx 3-	B17	Tx 3-	A17	Rx 3-		
A18	GND	B18	GND	B18	GND	A18	GND		

Pinout 3

Backplane-to-Controller (no sidebands)



8N36 - AAXX05 - X.XX (RIA E1 & C1 Apply)

Pin-out: 01 = Backplane-to-Controller 02 = Controller-to-Controller 03 = Backplane-to-Controller, no sidebands Length in meters* 0.25 m 0.50 m 0.75 m 1.00 m

* If other lengths are desired, contact your local 3M sales representative.
** If keying other than Universal is desired, contact your local 3M sales representative.

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Regulatory Information Appendix

3M Electronic Solutions Division/Interconnect

EUROPE

Appendix E1: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product is RoHS Compliant 2005/95/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E2: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains lead in the compliant pin area in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/747/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E3: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment as amended by Commission Decision 2005/618/EC.

This product contains lead in the solder tail area in excess of the maximum concentration value allowed.

Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E4: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains decaBDE in the insulating material in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/17/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

CHINA Appendix C1: China RoHS

Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does not** contain any of the following substances in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix C2: China RoHS 📢



Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does** contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

了而十有每有苦初灰或儿系的石标及百重 Hume and Content of Hazardous Substances of Elements									
部件名称	有毒有害物质或元素 (Hazardous Substances or Elements)								
(Part or Component Name)	铅(Pb)	汞 (Hg)	镉 (Cd)	六价铬(Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)			
端子镀层(contact plating)	端子镀层(contact plating) × O O O O O								
<u>%</u> 可+破层(contact plating) × 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									

产品中有毒有害物质或元素的名称及含量 Name and Content of Hazardous Substances or Elements

Important Notice

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