SUPER ITS: HIGH-SPEED, HIGH DATA-RATE

OCTOBYTE™ ETHERNET CAT 6A, 7, 7A CONTACTS

Ethernet Contacts for	Ethernet CAT 6a Ethernet CAT 7, 7a
Featuring	Internal crimpable contacts
	Inspectable contact
	Integrated cable clamp
	Low mating force
Electrical Performance	Current rating 5A max
	Voltage drop (at 5A and 25°C) 70 mV max
Materials and Finish	Copper alloy and gold plating
Inserts (other colors available)	Thermoplastic resin - UL94V0 Aluminum alloy/anodized

OCTOBYTE™ ETHERNET CAT 5, 5E, 6, 6A CONTACTS

Ethernet Contacts for	Ethernet CAT 5 and 5e Ethernet CAT 6 and 6a
Featuring	Internal crimpable contacts
	Inspectable contact
	Integrated cable clamp
	Low mating force
Electrical Performance	Current rating 5A max
	Voltage drop (at 5A and 25°C) 70 mV max
Materials and Finish	Copper alloy and gold plating
Inserts	Thermoplastic resin - UL94V0 - EN45545 - R22, HL1 - HL2

OCTOBYTE™ COAX CONTACTS

Ethernet Contacts for	RG58
Featuring	Internal crimpable contacts
	Inspectable contact
	Integrated cable clamp
	Low mating force
Technical Characteristics	Current rating 5A max
	Voltage drop (at 5A and 25°C) 70 mV max
Materials and Finish	Copper alloy and gold plating
Inserts	PTFE - UL94V0

OCTOBYTE™ ETHERNET MVB - WTB CONTACTS

Ethernet Contacts for	MVB - Multifunctional Vehicle Bus
	WTB - Wired Train Bus
Featuring	Internal crimpable contacts
	Inspectable contact
	Integrated cable clamp
	Low mating force
Technical Characteristics	Current rating 5A max
	Voltage drop (at 5A and 25°C) 70 mV max
Materials and Finish	Copper alloy and gold plating
Inserts	Thermoplastic resin - UL94V0 - EN 45545 - R22, HL1 - HL2

OCTOBYTE™ ETHERNET MVB - WTB CONTACTS

Power Module	4 contacts 16 AWG
Featuring	Internal crimpable contacts
	Inspectable contact
	Integrated cable clamp
	Low mating force
Technical Characteristics	Current rating 13A max
	Voltage drop (at 13A and 25°C) 74 mV max
Materials and Finish	Copper alloy and gold plating
Inserts	Thermoplastic resin - UL94V0
Interfacial Seal	Fluorosilicone
Integrated Grommet	Fluorosilicone
Cable accepted:	16 - 20 AWG

B

Octobyte™ Cat 7a contacts

4/8 Pole Octobyte contacts deliver high-speed I/O contact support for 10 gigabit ethernet at 1,000 MHz. Contacts are compatible with Cat 6A, Cat 7 and Cat 7a Ethernet protocols and feature a fully inspectable and inner crimped contact with low mating force requirements and integral cable clamp. 5A max current rating with a voltage drop of 70 mV max at 5A and 25°C. Contacts are copper alloy and gold plated.

Cable Accommodation	
Wire Size Type	Cable O.D. Range
A	6-7
B	7-8
C	8-9
D	9-9.6

Interfacial Seal Color	
Color Code	Colour
Omitted for Standard	
G14	Black
G14GN	Green
G14GY	Grey
G14R	Red
G14Y	Yellow

How To Order								
Sample Part Number:		Q	Ø	8	P	-A	B1	-7A
Series	Q = Octobyte Contacts							
Contact Size	Ø = Contact size 0							
Number of Contacts	8 = 8 poles							
Contact Gender	P = Pin contacts (male) S = Socket contacts (female)							
Cable Range	See cable accommodation table							
Plating	B1 = Gold Plating							
Interfacial Seal Color	See interfacial seal color table; omit for standard blue							
Category	-7A = Cat 7a							

Insallation Tools		
Crimper	Positioner	Insertion / Removal Tool
809-015	809-005	809-088 and M.104010

Octobyte™ contacts for Cat 5 thru 6A

Octobyte contacts for high-speed I/O contact support, up to 10000 Mbps / 10 Gbps at 500 MHz. Contacts are compatible with Cat 5, Cat 5e, Cat 6 and Cat 6A protocols and feature inner crimped and fully inspectable contacts with low mating force requirements. 5A max current rating. Voltage drop of 70 mV max at 5A and 25°C. Contacts are copper alloy and gold plated. Inserts are thermoplastic resin; UL94V0-NFF 16-102 12F3 Exigence 3.

Cable Accommodation Table	
Wire Size Type	Cable O.D. Range
A	6-7
B	7-8
C	8-9
D	9-9.6

How To Order							
Sample Part Number:		Q	Ø	8	P	-A	B1
Series	Q = Octobyte Contacts						
Contact Size	Ø = Contact size 0						
Number of Contacts	4 = 4 poles 8 = 8 poles						
Contact Gender	P = Pin contacts (male) S = Socket contacts (female)						
Cable Range	See cable accommodation table						
Plating	B1 = Gold Plating						

Insallation Tools		
Crimper	Positioner	Insertion / Removal Tool
809-015	809-005	809-088 and M.104010

SUPER ITS: HIGH-SPEED, HIGH DATA-RATE

B

SUPER ITS: HIGH-SPEED, HIGH DATA-RATE

Octobyte™ Coax contacts

Octobyte, coax contacts deliver high-speed I/O contact support for RG58 and RG59U cable. Featuring fully inspectable and inner crimped contacts with low mating force requirements and integral cable clamp. 5A max current rating with a voltage drop of 70 mV max at 5A and 25°C. Contacts are copper alloy and gold plated. Inserts are PTFE

How To Order							
Sample Part Number:		Q	Ø	CX	P	-RG58	B1
Series	Q = Octobyte Contacts						
Contact Size	Ø = Contact size 0						
Number of Contacts	CX = Coax						
Contact Gender	P = Pin contacts (male) S = Socket contacts (female)						
Cables	RG58 = 50 Ohm RG59U = 75 Ohm						
Plating	B1 = Gold Plating						

Insallation Tools		
Crimper	**RG58 Cable Die**	**RG59 Cable Die**
M.112017	Y197	Y143

Octobyte™ contacts for MVB and WTB

Octobyte contacts for high-speed I/O contact support of Multifuntional Vehicle Bus (MVB) and Wired Train Bus (WTB) systems. Featuring fully inspectable and inner crimped contacts with low mating force requirements and integral cable clamp. 5A max current rating. Voltage drop of 70 mV max at 5A and 25°C. Contacts are copper alloy and gold plated. Inserts are thermoplastic resin; UL94V0-NFF 16-102 12F3 Exigence 3.

Cable Accommodation Table	
Wire Size Type	**Cable O.D. Range**
A	6-7
B	7-8
C	8-9
D	9-9.6

How To Order								
Sample Part Number:		Q	Ø	4	P	-A	B1	AD
Series	Q = Octobyte Contacts							
Contact Size	Ø = Contact size 0							
Number of Contacts	2 = 2 poles 4 = 4 poles							
Contact Gender	P = Pin contacts (male) S = Socket contacts (female)							
Cable Range	See cable accommodation table							
Plating	B1 = Gold Plating							
Contact Adapter	AD = Adapter for crimp 18 - 22 AWG							

Insallation Tools		
Crimper	**Positioner**	**Insertion / Removal Tool**
809-015 and 809-136	809-005 and 809-138	M.104010

B

Octobyte™ power contacts

Octobyte, power contacts. Each contact module contains 4 size 16 contacts that are inspectable and internally crimped with low mating force requirement and integral cable clamp. 13A max current rating with a voltage drop of 74 mV max at 13A and 25℃. Contacts are copper alloy and gold plated. Inserts are thermoplastic resin. Integrated cable sealing grommet accepts 16 thru 20 AWG (Ø 1.65 thru Ø 2.8)

How To Order						
Sample Part Number:		Q	Ø	4	P	B1
Series	**Q** = Octobyte Contacts					
Contact Size	**Ø** = Contact size 0					
Number of Contacts	**4** = 4 Poles					
Contact Gender	**P** = Pin contacts (male) **S** = Socket contacts (female)					
Plating	**B1** = Gold Plating					

Insallation Tools		
Crimper	**Positioner**	**Insertion / Removal Tool**
809-136	809-137	809-131

SUPER ITS: HIGH-SPEED, HIGH DATA-RATE

B