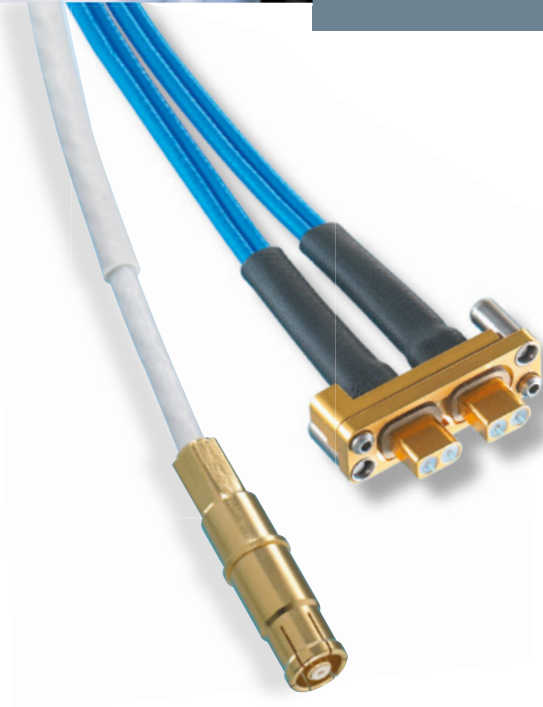
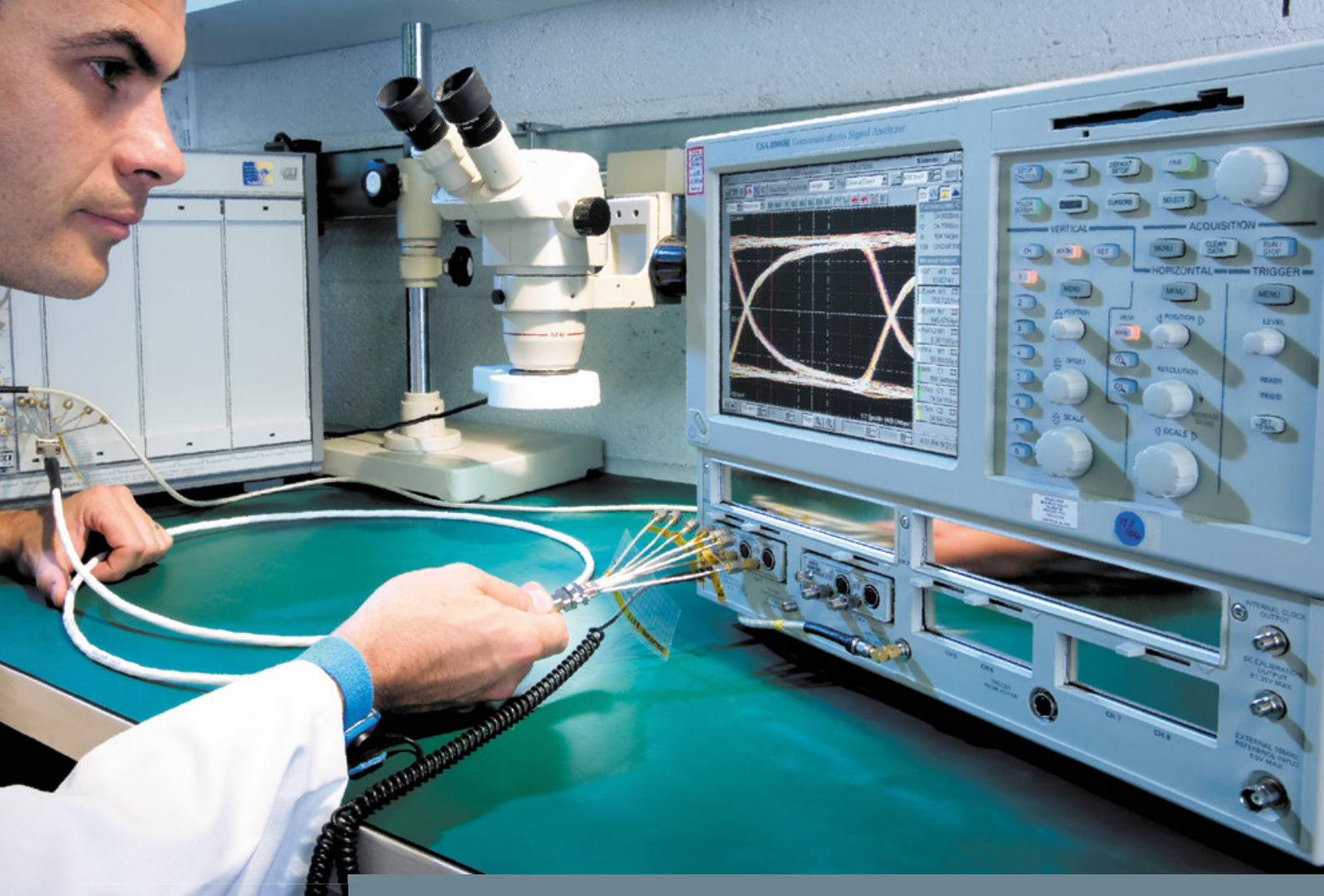




HIGH SPEED PROTOCOL **axon'** product guide



HIGH SPEED PROTOCOL AXON

PROTOCOL	REFERENCE STANDARD	DATA RATE FREQUENCY	WHICH AXON			
TERAHERTZ TRANSMISSION	--	UP TO 2 THz				
AUTOMOTIVE RADAR	--	77 GHz bands				
« Open Protocol » Digital links 100Ω 4 ways Up to 10Gb/s/way Space Grade	ESCC 3401.093	Up to 40GHz BW (RL<1.25) #100Gb/s2				
« Open Protocol » Digital links 100Ω 4 ways Up to 10Gb/s/way Space Grade	ESCC 3409.001	Up to 40Gb/s				
Ethernet 25/40G	ISO/IEC 802.3	25/ 40Gb/s				
USB 3.2 GEN 2x2	USB 3.2 GEN 2x2	20 Gb/s				
HDMI 2.0	HDMI 2.0	18 Gb/s				
« Open Protocol » Digital links 100Ω 4 ways Up to 3Gb/s/way Space Grade	ESCC3409.002	Up to 12Gb/s				
HDMI 1.3a 1.4	HDMI 1.3a 1.4	10.2 Gb/s				
Ethernet 10G BaseT	ISO/IEC 802.3	10 Gb/s				
USB 3.2 GEN 1x1	USB 3.2 GEN 1x1	5 Gb/s				
SpaceFibre Wizardlink	ECSS-E-ST-50-11C ESCC-3409.001	1 to 6Gb/s				
Fiber Channel	MIL-STD-1760	1Gb/s				
Ethernet 1000 BaseT	ISO/IEC 802.3	1Gb/s				
USB 2.0	USB 2.0	480 Mb/s				
SpaceWire	ECSS-E-ST-50-12C ESCC3409.002	UP TO 400 Mb/s				
CAN	ISO11898	≤ 1Mb/s				
BUS 1553	MIL-STD-1553B	≤ 1Mb/s				
			1 PAIR	2 PAIRS	4 PAIRS	4 PAIRS INCLUDING 1 CLOCK

DATA RATE

-55°C +125°C

MICROMACH® CONNECTOR

MICROMACH® CONNECTOR

MICRO-D CONNECTOR

MICROMACH® CONNECTOR

-55°C +200°C

15-WAY MICRO-D
MICROMACH® CONNECTOR

15-WAY MICRO-D

21-WAY MICRO-D

15-WAY MICRO-D
MICROMACH® CONNECTOR

9-WAY MICRO-D

9-WAY MICRO-D
MICROMACH® CONNECTOR

MICRO-D
QUADRAx

MICRO-D
TRIAxOn® ACB1 to 7

-65°C +150°C

PRODUCT GUIDE

LINK FOR EACH PROTOCOL ?

COAXIAL
CONNECTOR



DIELECTRIC
WAVEGUIDE

AXON'
DEVELOPMENT

AXOMACH®
CONNECTOR
SMA
CONNECTOR

ACB8
CONTACT

-65°C +150°C

ACB8
contact #8
ACB9
contact #12

AXOMACH®
CONNECTOR
SMA
CONNECTOR

AXOMACH®
CONNECTOR

-55°C +125°C

15-WAY
NANO-D

15-WAY
NANO-D

NANO-D
CONNECTOR

-55°C +200°C

ACB1
CONTACT

AXON' CABLE TYPE

1 COAX

4 COAXES

8 COAXES

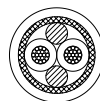
1 COAX PAIR TO
4 COAX PAIRS

DIELECTRIC
WAVEGUIDE

AXON' CABLE REFERENCES

1 PAIR

P502805 - Twinax bus 20
P502810 - Twinax bus 10
P504621 - Twinax bus 70
P507991 - Twinax bus 31
P511981 - Twinax bus 72
P512296 - Twinax bus 40
P512806 - Twinax bus 21
P512807 - Twinax bus 22
P517417 - Twinax bus 71
P530781 - Twinax bus 44
P538524 - Twinax bus 80
P539883 - 28AWG - 120 Ω
P541610 - Twinax bus 43
P545944 - 26AWG - 90 Ω
P546162 - Twinax bus 41
P812302 - Twinax bus 45
P815721 - Twinax bus 61
P819845 - Twinax bus 60
P850061 - 28AWG - 120 Ω



2 PAIRS

P871463 - 2619 AWG



4 PAIRS

P532242 - 28AWG - 4x 100 Ω
P542808 - 27AWG - 4x 100 Ω
P544806 - 26AWG - 4x 100 Ω
P551259 - 28AWG - 4x 100 Ω



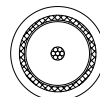
4 PAIRS INCLUDING 1 CLOCK

P547683 - 24AWG - 4x 100 Ω



1 COAX

P541180 - 22AWG - 75 Ω
P852963 - 28AWG - 75 Ω



4 COAXES

P840563 - 50 Ω

8 COAXES

P551260 - 34AWG - 50 Ω



1 COAX PAIR TO 4 COAX PAIRS

P840563 - 50 Ω

INTERNATIONAL PRESENCE

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Axon' Cable is a global leader in the design and manufacture of high-performance interconnect solutions for a wide range of industries, including aerospace, defence, medical, and industrial markets. Since 1965, Axon' Cable has established itself as a trusted partner to its customers by providing innovative solutions that meet their most demanding requirements. From custom-designed cables and connectors to cable assemblies and harnesses, Axon' Cable's expertise and state-of-the-art manufacturing facilities enable it to deliver reliable, high-quality products that are optimized for performance and reliability. With a commitment to excellence and a focus on customer satisfaction, Axon' Cable is dedicated to driving innovation and advancing the state-of-the-art in interconnect technology.

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