

ARINC 800 / SIM HYBRID MODULES

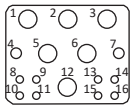
High speed Gigabit and power in one. For high speed Cat 6A Ethernet data transmission and power

MODULES AND CONTACTS

Amphenol Air LB has expanded its range of SIM EN4165 modules for high speed data transmission: SIM Gigabit module.
This design allows Ethernet links as well as power supply in one single EN4165 form factor insert.

MODULES

Configuration:
- 6 contacts size 16
- 2 contacts size 22
- 8 contacts size 26



Amphenol Air LB offers 3 modules types:
- Modules for crimped contacts
- Modules with straight PCB contacts
- Modules with angled PCB contacts

Male module for crimped contacts

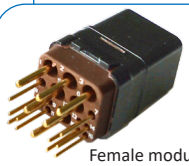




Female module for crimped contacts

Male module with straight PCB contacts

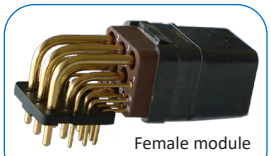




Female module with straight PCB contacts

CONTACTS

Pin and socket contacts in copper alloy.
Contacts sizes : #26, #22, #16



Female module with angled PCB contacts

TECHNICAL DATA

CLIMATIC

Operating temperature : -55°C to +175°C

ELECTRICAL

Withstanding voltage : 1500 V eff. 50 Hz
Insulation resistance : > 5000 MΩ
Max current rating : size 26 : 3 A
size 22 : 5,4 A
size 16 : 15 A

QUALIFICATIONS

Compliant with ARINC 800.
Compliant with Reach and RoHS specifications.

Amphenol Air LB
Your Satisfaction. Everyday. Everywhere.

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PART NUMBERS

MODULES

Module type	Part numbers	
	Male	Female
For crimped contacts	SIM ∗ 1602 P ∗ ∗	SIM ∗ 1602 S ∗ ∗
With straight PCB contacts	SIM ∗ 1602 P ∗ ∗	SIM ∗ 1602 S ∗ ∗
With angled PCB contacts, reversed orientation (SIM monomodule)	SIM ∗ 1602 P ∗ ∗ BR	SIM ∗ 1602 S ∗ ∗ BR

Nothing : Supplied without contact
C : Supplied with contacts

Peripheral sealing
E : Sealed
M : Not sealed

Polarization
N, A, B, C, D

Contacts plating
P : Tin-plated with Lead (Pb)
F : Tin-plated without Lead (RoHS)
G : Gold-plated (RoHS)

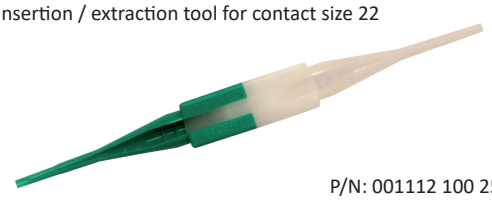
TOOLS

Insertion / extraction tool for contact size 26



P/N: 001112 005 25

Insertion / extraction tool for contact size 22



P/N: 001112 100 25

Strengthened insertion / extraction tool for contact size 22



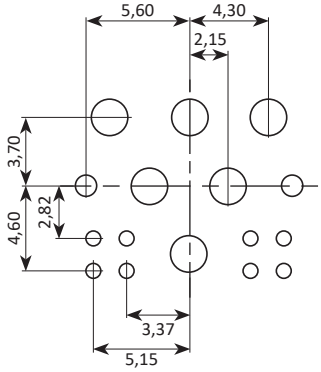
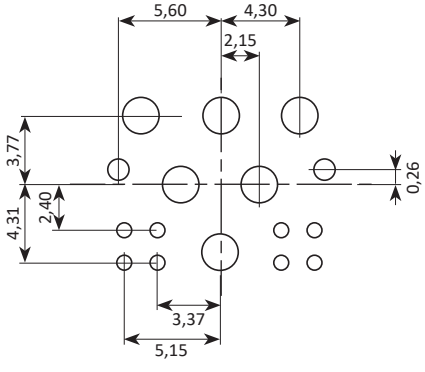
P/N: 001112 130 25

Insertion / extraction tool for contact size 16



P/N: 001112 300 25

PCB LAYOUT

Module with straight PCB contacts	Module with angled PCB contacts
	

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For any additional information, contact us.