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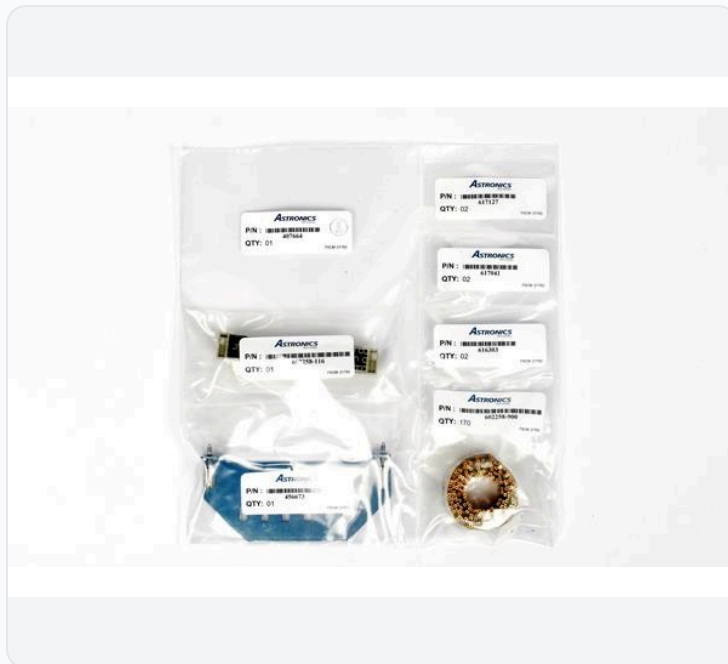
Data Sheet

August 15, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 407664 160-Pin Mating Connector Kit with Pins

Astronics / EADS / Racal 407664 160-Pin Mating Connector Kit with Pins This listing is a fixture, kit, or mechanical accessory in the Astronics / EADS / Racal catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU. No invented electrical performance numbers Use with the parent instrument or chassis named in the title when applicable Documented as thin because OEM numeric tables are not public Catalog Title: Astronics / EADS / Racal 407664 160-Pin Mating Connector Kit with Pins



MODEL

**Astronics / EADS /
Racal 407664**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

407664

LISTING

[https://aumictechlabs.c
om/products/407664-
2/](https://aumictechlabs.com/products/407664-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Racal 407664 is a 160-pin mating connector kit engineered for VXIbus switching systems. This modified DIN-style connector assembly with 0.025" square posts provides the complete component set needed to establish secure electrical interfaces between Adapt-a-Switch carrier modules and plug-in switch cards. The kit ships with 170 pins and all

necessary mechanical hardware for field assembly and installation. Technical Specifications

Connector Architecture 160-pin modified DIN configuration with 0.025" square posts Part Number 602258-116 connector body 170-count pin set (Part Number 602258-900) 24 AWG cable gauge compatibility DC path resistance: <500 mΩ Thermal EMF: <10 μV Insulation resistance: 10^9 Ω

Electrical Performance Maximum switching voltage: 300 VDC or 300 VAC Maximum switching current: 2 ADC or 2 AAC Maximum switching power: 60 W, 125 VA AC bandwidth (–3 dB): 100 MHz Switching time: <3 ms including settling Mechanical switch operations: 1×10^8 MTBF (MIL-STD-217E): 749,095 hours Environmental Ratings Operating temperature: 0°C to 55°C Relative humidity: 85% ±5% non-condensing at <30°C Operating altitude: 10,000 ft Shock: 30 g, 11 ms, 1/2 sine wave Vibration: 0.013 in (pk-pk), 5 to 55 Hz Bench handling: 4-inch drop at 45° Compliance Emissions: EN55011A Immunity: IEC801-2, 3, 4 Safety: EN61010-1 Key Features Complete kit includes connector body, bracket, washers, nuts, and screws Factory-supplied 170-count pin inventory minimizes field procurement delays MTTR <5 minutes supports rapid system diagnostics and reconfiguration Low thermal EMF and path resistance ensure signal integrity in precision measurement applications Typical Applications Designed for integration with Astronics 1260-100 and 1260-101 Adapt-a-Switch VXI carrier modules, enabling modular relay and switching card configurations in test and measurement systems. Compatibility & Integration VXIbus plug-and-play architecture with WIN96/NT driver support LabWindows/CVI and LabVIEW compatibility Option 01T interface control for Adapt-a-Switch plug-in cards Mating cable assemblies available: 407408-001 (6 ft, 24 AWG) and 407409-001 (12 ft, 24 AWG) Pin insertion tool P/N 990898 recommended for assembly

407664 Characteristics / Specifications

PARAMETER	VALUE
Model	407664
Brand	Astronics / EADS / Racal
Catalog Title	Astronics / EADS / Racal 407664 160-Pin Mating Connector Kit with Pins
Sku	407664
Product Class	fixture, kit, or mechanical accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	407664
Manufacturer Line	Astronics / EADS / Racal
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	407664
Brand	Astronics / EADS / Racal
Catalog Title	Astronics / EADS / Racal 407664 160-Pin Mating Connector Kit with Pins
Sku	407664
Product Class	fixture, kit, or mechanical accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	407664
Manufacturer Line	Astronics / EADS / Racal
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise

PARAMETER	VALUE
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Notes

ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.