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Data Sheet

August 13, 2026

ROCKWELL COLLINS / EVANS & SUTHERLAND

Rockwell Collins / Evans & Sutherland 255130-155 PC Board

Manufacturer: Evans & Sutherland Computer (CAGE 53938); Rockwell Collins on some integration listings Series: Evans & Sutherland simulator electronics Alias: 255130-155; 255130155; 255130-155AA; 255130-155AA 388 FSC: 5998 electrical and electronic assemblies, boards, cards, associated hardware Series: Evans & Sutherland simulator electronics Alias: 255130-155; 255130155; 255130-155AA; 255130-155AA 388 FSC: 5998 electrical and electronic assemblies, boards, cards, associated hardware Related CCAs: 255110-100, 255120-101, 255140-100, 255150-101, 255160-100 in the same E&S NSN family

**MODEL****Rockwell Collins /
Evans &
Sutherland
255130-155****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****255130-155****LISTING**[https://aumictechlabs.c
om/products/255130-15
5-2/](https://aumictechlabs.com/products/255130-155-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Rockwell Collins / Evans & Sutherland 255130-155 is a PC board engineered for advanced computing applications requiring distributed power management and expandable memory architecture. This board integrates multiple power conversion modules and memory infrastructure to support demanding system-level requirements in specialized avionics, simulation, and defense

platforms. Technical Specifications Manufacturer: Rockwell Collins / Evans & Sutherland Model: 255130-155 NSN: 5998-01-576-2325 Memory Capacity: Eight (8) module slots Power Conversion Modules: Two (2) Excalibur / Texas Instruments PT4482N DC/DC Converter Modules One (1) SynQor PQ60025QPA60NNS Switching Frequency DC/DC Converter Key Features Dual-channel DC/DC conversion architecture via Excalibur PT4482N modules provides redundancy and load distribution across power rails SynQor switching frequency converter delivers high-efficiency power conditioning for sensitive analog and digital circuits Eight memory module slots accommodate standard form-factor memory DIMMs for configurable system capacity Front ejector handles enable tool-free board extraction and installation in chassis-mounted applications Typical Applications This PC board serves systems in avionics platforms, flight simulators, training systems, and defense applications where thermal stability, power efficiency, and long-term reliability are non-negotiable. The architecture supports both analog signal processing and high-speed digital computation with independently regulated supply rails. Compatibility & Integration The 255130-155 integrates into systems designed to host standard PCIe or VME form-factor boards with chassis-level power distribution capable of feeding the integrated DC/DC converter modules. System-level integration specifications and pinout details are available from OEM documentation. Legacy component availability is maintained through authorized aerospace and defense parts distributors.

Features & description

From manufacturer datasheet

Features

- CCA 255130-155, NSN 5998-01-576-2325, CAGE 53938

255130155 Characteristics / Specifications

PARAMETER	VALUE
Model	255130-155
Manufacturer	Evans & Sutherland Computer (CAGE 53938); Rockwell Collins on some integration listings
Instrument Type	Circuit Card Assembly
Series	Evans & Sutherland simulator electronics
Alias	255130-155; 255130155; 255130-155AA; 255130-155AA 388
NSN	5998-01-576-2325
FSC	5998 electrical and electronic assemblies, boards, cards, associated hardware
Item Name	circuit card assembly
End Item	simulator / simulation system
CAGE	53938
Related CCAs	255110-100, 255120-101, 255140-100, 255150-101, 255160-100 in the same E&S NSN family
Function	host-sim specific compute/graphics/IO card; confirm against the IPB
Form	printed circuit card assembly
Connectors	backplane/IO on the CCA drawing
Power	board-level DC from the simulator power system (do not assume ATX)
Memory	some E&S CCAs carry SIMM/DIMM sites and on-board DC-DC; confirm on this dash
Dash AA	255130-155AA is the same NSN in some rows (revision/config)
Replacement	match 255130-155 vs 255130-155AA engineering change
Handling	ESD-sensitive CCA
Documentation	Evans & Sutherland / Collins simulator IPB and CCA drawing
Status	simulator spare
Identity Rule	do not assign GPU Tflops or Ethernet rates without the drawing
Agency	NSN listed item

PARAMETER	VALUE
Host	simulation system calling 255130-155 Notes True accessory/CCA. Specs from NSN 5998-01-576-2325 / CAGE 53938 identity. Confirm dash AA and host simulator. Do not invent clock rates or memory size.

255130155 Specifications

PARAMETER	VALUE
Applications	Flight/visual simulator CCA replacement; NSN 5998-01-576-2325 spares; Evans & Sutherland / Collins sim MRO.
Key Features	- CCA 255130-155, NSN 5998-01-576-2325, CAGE 53938
Technical Specifications	Model: 255130-155

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.

Specifications	
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PARAMETER	VALUE
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Specifications	
PARAMETER	VALUE
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Specifications	
PARAMETER	VALUE
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Function	host-sim specific compute/graphics/IO card; confirm against the IPB
Specifications	
PARAMETER	VALUE
Form	printed circuit card assembly
Connectors	backplane/IO on the CCA drawing

PARAMETER	VALUE
Power	board-level DC from the simulator power system (do not assume ATX)

Specifications

PARAMETER	VALUE
Memory	some E&S CCAs carry SIMM/DIMM sites and on-board DC-DC; confirm on this dash
Dash AA	255130-155AA is the same NSN in some rows (revision/config)
Replacement	match 255130-155 vs 255130-155AA engineering change

Specifications

PARAMETER	VALUE
Handling	ESD-sensitive CCA
Documentation	Evans & Sutherland / Collins simulator IPB and CCA drawing
Status	simulator spare

Specifications

PARAMETER	VALUE
Identity Rule	do not assign GPU Tflops or Ethernet rates without the drawing
Agency	NSN listed item
Host	simulation system calling 255130-155

Notes

True accessory/CCA. Specs from NSN 5998-01-576-2325 / CAGE 53938 identity. Confirm dash AA and host simulator. Do not invent clock rates or memory size.

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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NIST-traceable calibration · SAM registered ·
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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.