

Pos	Item-ID	Item description	Qty
		----- Additional Component, General -----	
2	2A1336	IO133-Performance Low latency analog and digital I/O module with 16 x high resolution 16-bit differential simultaneous sampling analog inputs software configurable as $\pm 5V$ or $\pm 10V$ in groups of eight 8 x 16-bit single-ended simultaneous analog outputs individually software configurable as 5V, 10V, 10.8V, $\pm 5V$, $\pm 10V$, or $\pm 10.8V$, and 14 x 3.3/5V ESD protected digital TTL I/O lines individually configurable as input or output. Analog input frequencies up to 200ksps with DMA, and DA settling time of 10us. Factory calibrated, with correction values stored on EEPROM, and additional temperature sensor. Front and rear trigger and synchronization support. Operating temperature range: -40 to +85 °C. Includes Speedgoat driver blockset for R2021b, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested.	4

Pos	Item-ID	Item description	Qty
3	2C9816	IO981-02-64-2-Performance Fault Insertion switch cPCI I/O module with 64 channels and 2 fault insertion bus, designed for the simulation of fault conditions in automotive & avionics applications involving the reliability testing of safety critical controllers. Through relays on each channel enable signals to the UUT to be held open-circuit. Fault Insertion Buses allow any channel to be shorted to any other channel and also enable any channel to be connected to an external fault condition. A 4 channel multiplexer on each bus allows an external signal level such as Power, Ignition or Ground to be selected as the fault condition. Includes Speedgoat driver blockset for R2021b, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested.	4
4	202076	IO207-Performance Digital I/O module providing 128 digital TTL I/O lines configurable as inputs or outputs in groups of 8. Includes Speedgoat driver blockset for R2021b, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested.	4
5	310144	Onboard FIU Onboard FIU engineering and development of the integration into the custom SignalConditioning Board	4
6	207156	IO715-Performance Four channel Gigabit Ethernet I/O module supporting EtherCAT Master (R2018a+), real-time UDP (R2018a+), PTP IEEE-1588 (R2018b+), XCP Master for bypassing (R2018a+) and TCP/IP (R2018a+). Supported operating temperature range: -40 to + 85°C. Includes Speedgoat driver blockset for R2021b. Installed in Performance real-time target machine and fully tested. Rev.A0 ----- Removed Component -----	4
8	2C1076	IO107-DF-HV-Performance Fast 16-bit analog module with 16 differential analog output channels. Supported voltage ranges: $\pm 20V$, $\pm 10V$, $\pm 5V$. Includes Speedgoat driver blockset for R2021b, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested.	-4
9	2A6026	IO602-Performance Intelligent CAN I/O module with four independent High-Speed CAN FD interfaces and selectable on board CAN termination. Access to all I/O is via 25-pin DSUB connector or via 4x 9-pin DSUB (male) connectors also included in the delivery, as well as CAN loopback test cables. Includes Speedgoat driver blockset for R2021b, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested.	-4
10	207136	IO713-Performance Gigabit Ethernet I/O module providing four ports to communicate with other nodes via ethernet-based protocols such as EtherCAT Master, real-time UDP, TCP/IP, or XCP master for bypassing. The supported ethernet-based protocols depend on your MATLAB release. Operating temperature range: -40 to + 85°C. Includes Speedgoat driver blockset for R2021b. Installed in Performance real-time target machine and fully tested.	-1