

QwikConnect

GLENAIR • OCTOBER 2020 • VOLUME 24 • NUMBER 4



**ANNUAL
CALENDAR ISSUE**

Fly Me to the Moon



30


Glencair[®]

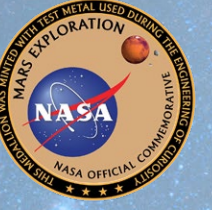


Commander Ed White on the first American space walk, 1965 with the Glenair cable division-manufactured "Golden Umbilical" cable



JANUARY 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 New Year's Day	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



**MIGHTY
MOUSE**

Glenair Series 805 Mighty Mouse micro-miniature circular connector: literally, the best-selling connector on Mars

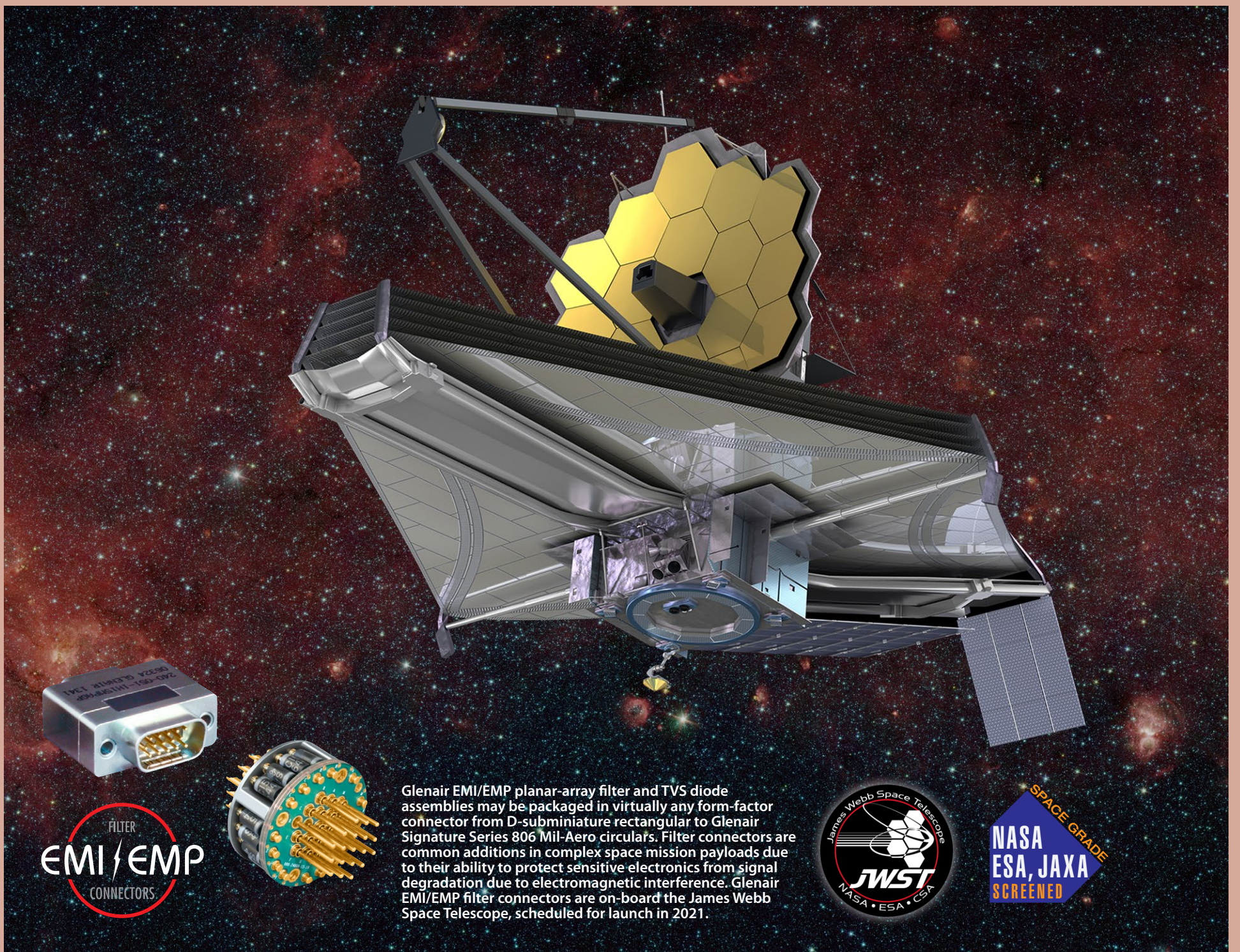


SPACE GRADE
NASA
ESA, JAXA
SCREENED

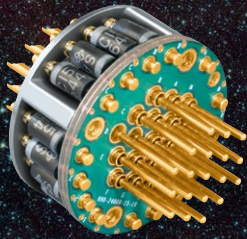
JPL
Jet Propulsion Laboratory

FEBRUARY 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
Valentine's Day		Mardi Gras				
21	22	23	24	25	26	27
28						



FILTER
EMI/EMP
CONNECTORS



Glenair EMI/EMP planar-array filter and TVS diode assemblies may be packaged in virtually any form-factor connector from D-subminiature rectangular to Glenair Signature Series 806 Mil-Aero circulars. Filter connectors are common additions in complex space mission payloads due to their ability to protect sensitive electronics from signal degradation due to electromagnetic interference. Glenair EMI/EMP filter connectors are on-board the James Webb Space Telescope, scheduled for launch in 2021.




MARCH 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
			St. Patrick's Day			First Day of Spring
21	22	23	24	25	26	27
28	29	30	31			

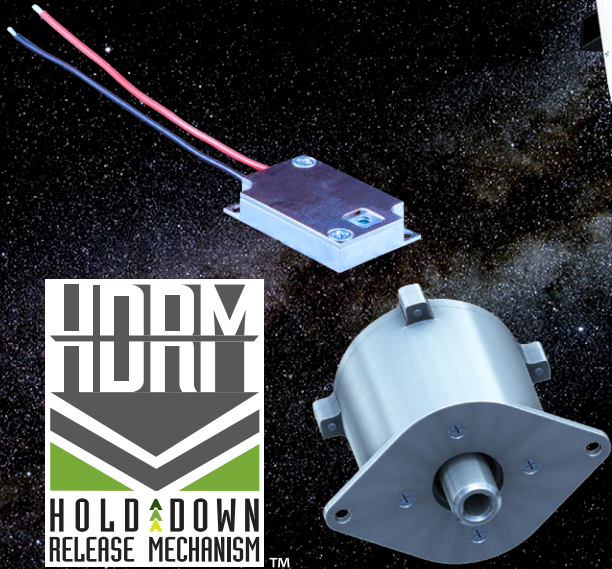


Glenair wire protection conduit systems, ruggedized cables, Sav-Con® connector savers, and hundreds of other space-grade interconnect solutions have been on every major space program of note—from Gemini to the Space Shuttle to today's most advanced private-industry launch platforms.

APRIL 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
					April Fool's Day	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Glenair Space Systems, Salem Germany, can supply European-made (non-ITAR controlled) HDRM solutions for European (ESA) applications. North American customers may work directly with our technical team in Glendale, California.



Glenair pyrotechnic-free Hold-Down and Release Mechanisms (HDRM) play vital roles in the deployment of antenna and solar arrays—as well as larger structures—on satellites and space vehicles. The Wide Field Infrared Survey Telescope (WFIRST) incorporates Glenair HDRM separation-nut units.



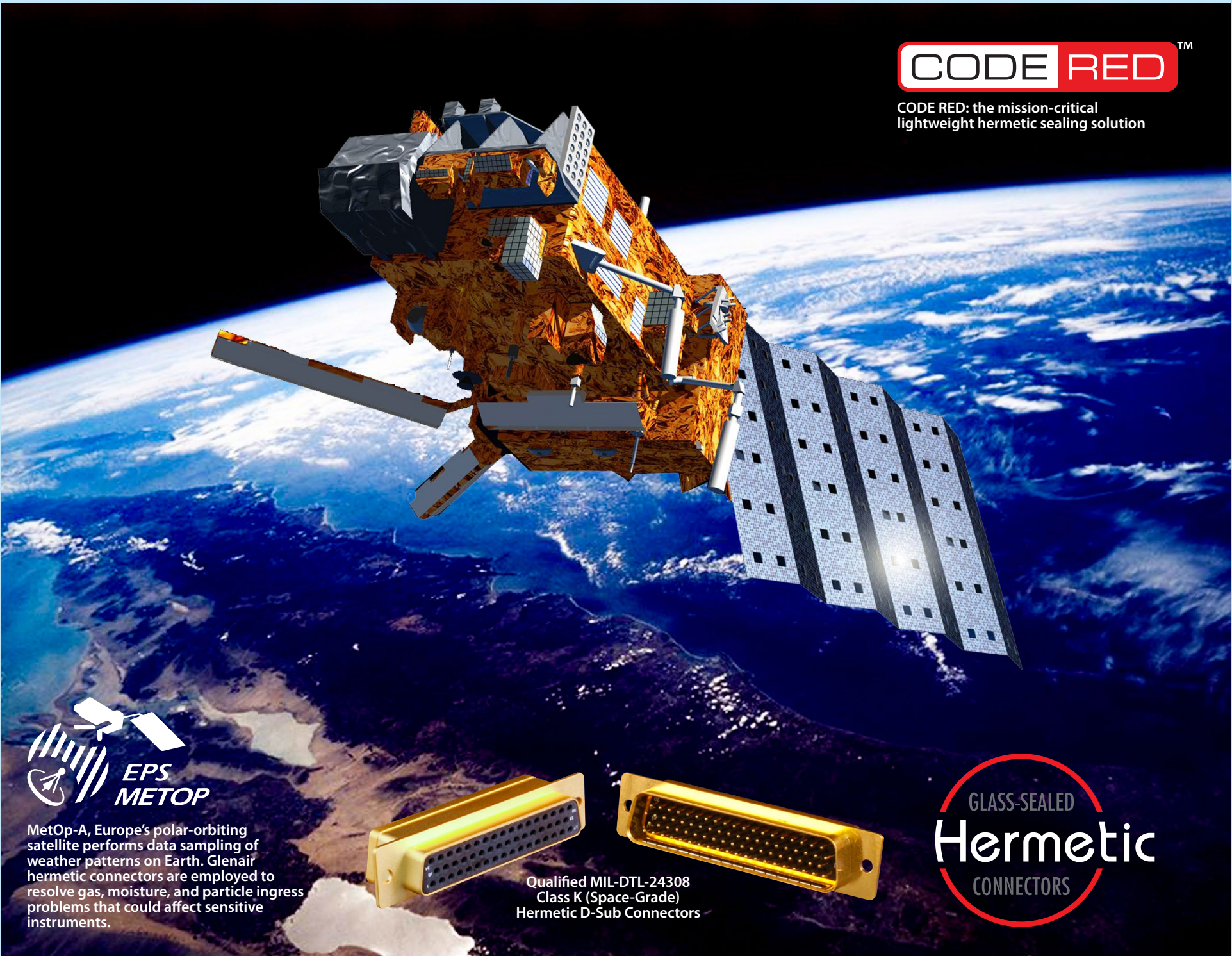
MAY 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
Mother's Day						
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
	Memorial Day					



CODE RED™

CODE RED: the mission-critical
lightweight hermetic sealing solution




MetOp-A, Europe's polar-orbiting satellite performs data sampling of weather patterns on Earth. Glenair hermetic connectors are employed to resolve gas, moisture, and particle ingress problems that could affect sensitive instruments.



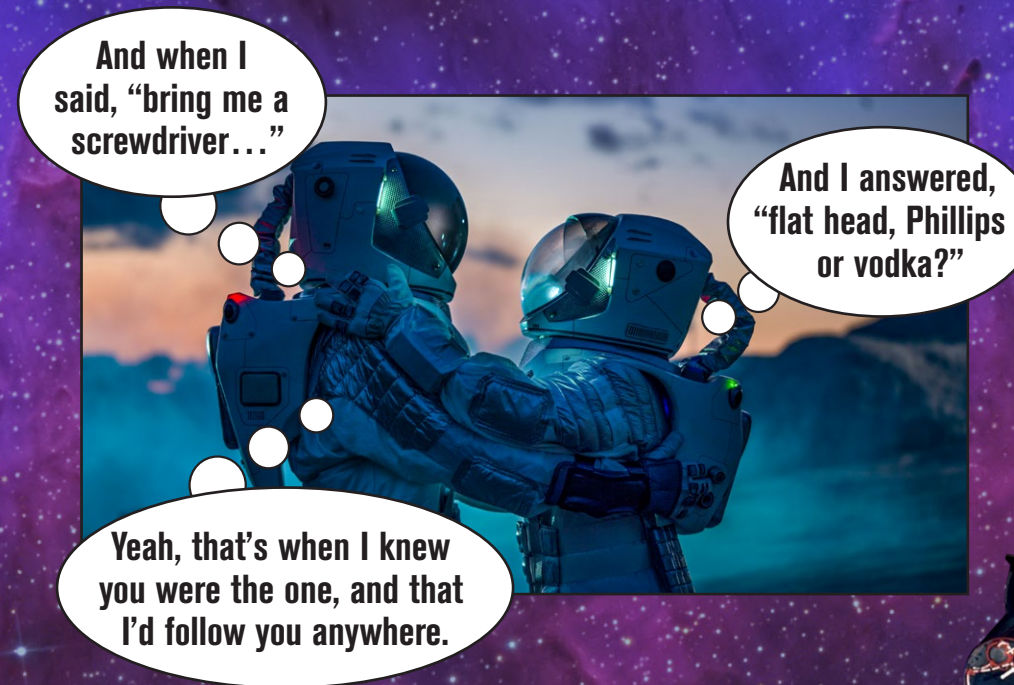
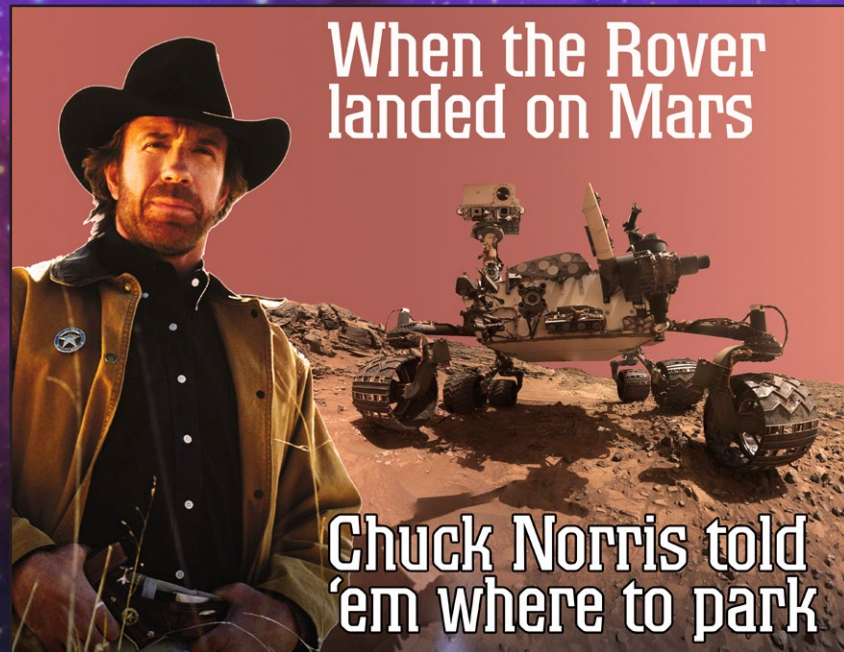
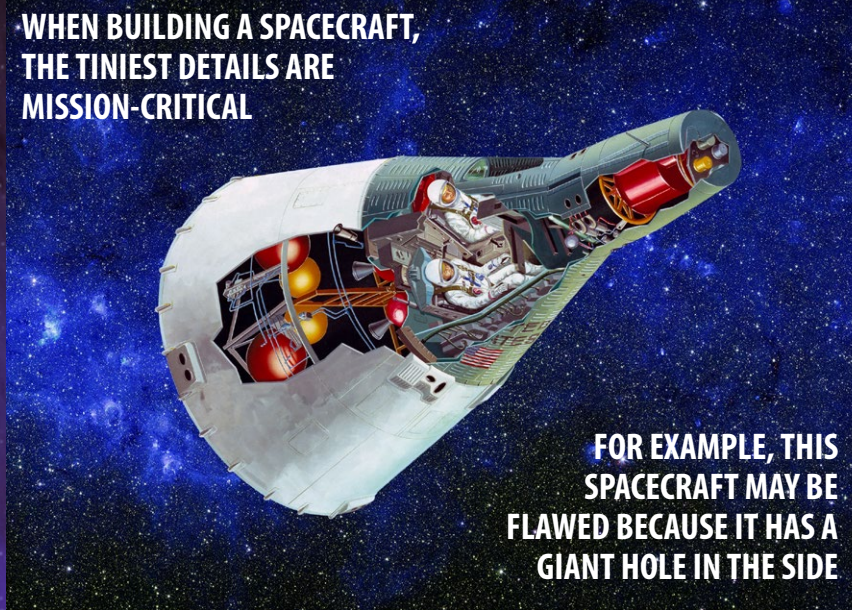
Qualified MIL-DTL-24308
Class K (Space-Grade)
Hermetic D-Sub Connectors

GLASS-SEALED
Hermetic
CONNECTORS

JUNE 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
First Day of Summer Father's Day						
27	28	29	30			

Space Gags

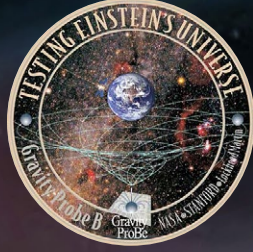
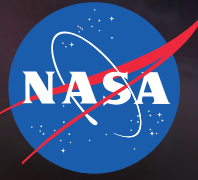




JULY 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
Independence Day						
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



The Gravity Probe confirmed two key predictions of Einstein's general theory of relativity, by monitoring the warping of space and time in the orientations of ultra-sensitive gyroscopes relative to a distant guide star. Glenair shielded cable harness assemblies were on board.



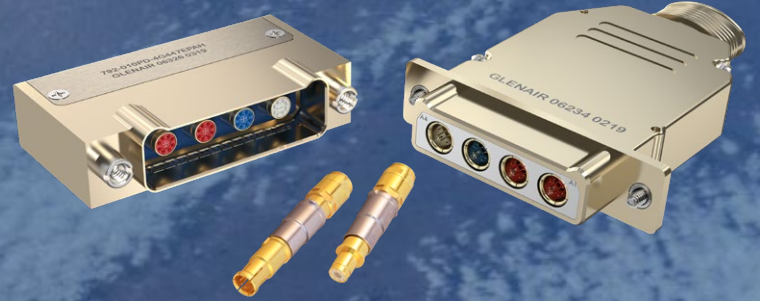
LOCKHEED MARTIN

AUGUST 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



SERIES
792
SEVEN
NINETY-TWO

The Canadian Space Agency sponsors the development of the multi-purpose robotic arm used on the International Space Station. Canadarm3, the next-generation version of the arm, will be equipped with Glenair high-speed Series 792 Micro-Crimp connectors and cables with El Ochito® contact technology supporting HDMI, DisplayPort, USB 3.0, and 10Gb Ethernet protocols.



SEPTEMBER 2021

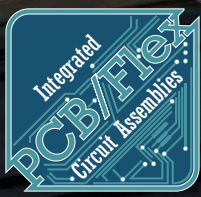
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6 Labor Day	7	8	9	10	11 Patriot Day
12	13	14	15	16	17	18
19	20	21	22 First Day of Autumn	23	24	25
26	27	28	29	30		



The Cross-track Infrared Sounder (CrIS) is an advanced atmospheric sounding instrument, measuring pressure, temperature, wind speed, and other atmospheric elements, to more accurately predict and track severe weather events. The CrIS instrument package is aboard the United States Suomi National Polar Partnership (NPP) Polar-orbiting Operational Environmental Satellite. Glenair space-grade high-density microminiature rectangular connectors are used in both I/O and cable harness formats.

OCTOBER 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31 Halloween						




Glenair is the exclusive interconnect connector and cable supplier to the Sierra Nevada Dream Chaser reusable crewed suborbital and orbital space plane. The Dream Chaser electrical wire interconnect system incorporates Glenair Micro-D subminiature connectors, EMI filter connectors, flex circuitry, lightweight microfilament braid, metal and composite backshells, and other technologies.



NOVEMBER 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
				Veteran's Day		
14	15	16	17	18	19	20
21	22	23	24	25	26	27
				Thanksgiving Day		
28	29	30				



DECEMBER 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25		First Day of Winter			Christmas Eve	Christmas
26	27	28	29	30	31	
					New Year's Eve	

Outlook

A Slice of Life

We have quite a few specialists here at Glenair: dedicated scientists who are world-class experts in formulating polymers for jacketing and seals, guru-level plating and surface-coating technicians, manufacturing engineers who are zen-masters of fixture fabrication, product managers who can recite the DLA Mil-Specs for their products virtually by heart. In fact, to a great extent, our entire organization is made of individuals who have—for better or worse—achieved singular levels of fluency in their area of expertise.

For “for better or worse” you say? What’s that all about? Isn’t our “mosaic” of specialized skills what makes us such a powerful competitor? Usain Bolt is an insanely accomplished “specialist” in his field—an Olympic-class sprinter! I don’t hear many criticisms of his quest to become the fastest man on Earth. Ditto world champion boxer Mohammed Ali, or baseball slugger Barry Bonds—all specialist that absolutely excelled in their chosen areas of expertise. When viewed from this perspective, isn’t specialization a perfect formula for success?

Yes, of course. But the rub is always “opportunity cost.” The the better you get at just the one thing, the less likely it is that you can adapt and contribute to general problems that fall outside of that one zone of competence. Usain Bolt, for all his prowess as a sprinter, would fail miserably in a multi-event competition such as a decathlon. As dominant in the ring as Mohammed Ali was, he would find himself at a severe disadvantage in a mixed martial arts contest where the fighters combine boxing, wrestling, kick-boxing and other disciplines in their attacks.

For better or worse, we all tend to dig in and focus on that one “slice of life” that comes to us most naturally. Barry Bonds was born to hit home runs. But he also ended-up number three on the all-time career list for the most strike-outs. You get the point. Becoming a career specialist in just one area inevitably creates weaknesses in other parts of your game.

For this reason we like to counsel folks to always make the effort to look to the right and left of their particular slice of the pie. A design engineer, for example, would surely benefit from shifting his eyes left—to the customer—to better appreciate their unique, and perhaps changing requirements, rather than just assuming his own expertise is enough to answer every question. Likewise, looking right—to the factory floor—will surely pay dividends. How else to gain perspective on the “manufacturability” of his design? So many potential problems are easily solved simply by shifting one’s focus to the left (talk to that customer!) and to the right (get out on the shop floor!) instead of relentlessly focusing on just your own slice of life. And by the way, isn’t this is exactly the formula that has helped us dig out from under our mountain of late jobs? Congratulations and thanks to all of you that stepped outside of your comfort zone to get us back on track.

Chris Toomey

QwikConnect

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