

QwikConnect

GLENAIR • OCTOBER 2018 • VOLUME 22 • NUMBER 4



2019 CALENDAR ISSUE
A GLENAIR PHOTO TRIBUTE TO

Women in Aviation

Aviation Boatswain's Mate (Fuel) Jessica Pena-Guerrero wrestles a fuel line across the flight deck of the aircraft carrier USS Ronald Reagan photo: U.S. Navy

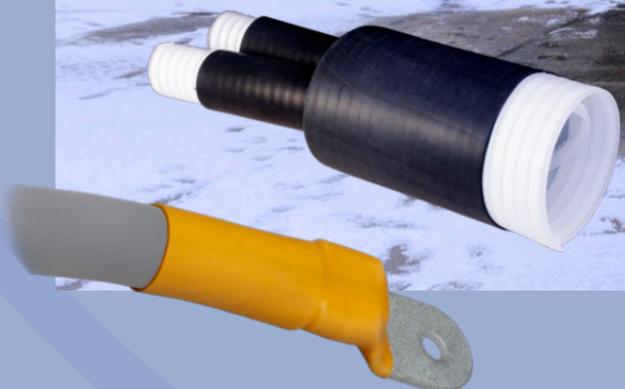
			19
		25	26
	31		



Capt. Kristin Nelson, 23rd Bomb Squadron, made U.S. Air Force history as part of an all-female missileer crew serving on simultaneous alert at three intercontinental ballistic missile wings.



photo credit: U.S. Air Force



Designed for rugged weathering, UV and ozone-resistant performance, AutoShrink tubing delivers reliable and durable sealing as well as mechanical protection for cable end terminations in harsh military and industrial applications. Built from Glenair Duralectric material, AutoShrink is fully hydrophobic and resistant to caustic chemicals, solvents and temperature extremes. Easy-action spiral hold-out and large cold shrink ratio makes for fast installation and durable, split-resistant performance.



January 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
		New Year's Day				
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		

Captain Corrie Mays is just the second female pilot (after Capt. Katie Higgins) to be a member of the prestigious U.S. Navy Blue Angels F/A-18 Hornet demonstration squadron. She has served as squadron naval flight officer and proudly flies and wears "Blue Angel 7" in training flights and in support of public appearances throughout the USA.

photo credit: U.S. Navy Blue Angels



HDSTACKER™

Mission-critical board-to-board connector applications demand fail-safe signal integrity as well as reliable high-vibration performance. The HD Stacker™ brings Glenair innovation to stacking, board-to-board backplanes with major design improvements compared to current industry solutions. Most importantly, the ultra high-density .0625" Chevron Contact System provides 55% more contacts per connector size, or a 31% size reduction for the same number of contacts as compared to legacy stacking connectors.

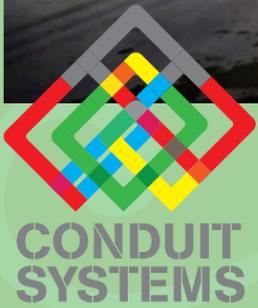
February 2019

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

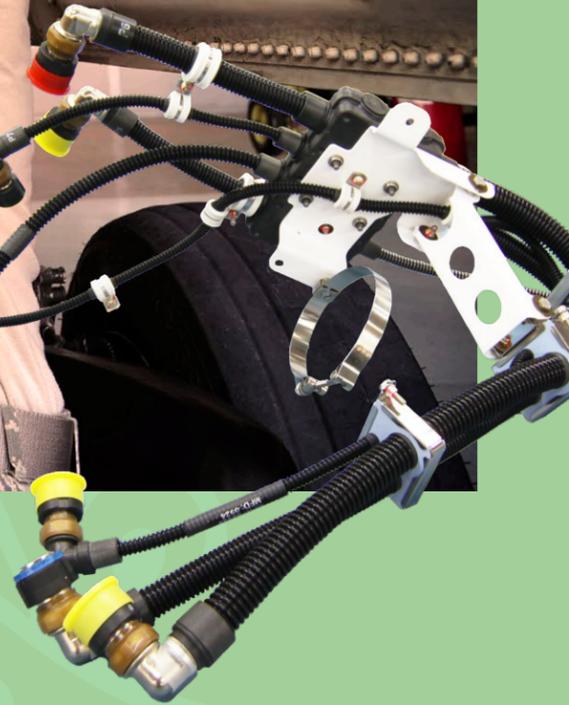
Senior Airman and Aircraft Structural Maintenance Journeyman Jessica Reitano, has received her unit's Wing Quarterly Flight Maintenance Award for outstanding performance in maintenance and repair of the F-16 Fighting Falcons at Luke Air Force Base.



photo credit: U.S. Air Force



Conduit is an outstanding wire-protection alternative to jacketed cables, especially for harsh-environment assemblies such as aircraft wheel and brake sensor assemblies. Polymer tubing versions are lightweight, durable, flexible and resistant to high temperatures. Metal-core versions offer outstanding crush resistance and shielding performance in rugged, EMC applications.



March 2019

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

An IDF airplane technician sits on her F-15 plane in the Hatzor Air Force Base. Women make up 33% of all IDF soldiers and 51% of its officers, fulfilling various roles within the Ground, Navy and Air Forces.



photo credit: Israel Defense Forces

The Series 23 SuperNine® is a comprehensive, high-performance MIL-DTL-38999 Series III connector solution for demanding military and commercial aerospace applications. SuperNine® combines advanced plating, sealing and other high-performance features including 1500 mating cycle contacts, high-durability anti-vibration coupling, tight-tolerance composite-shell fiber optics, an extensive line of sealed PC tail configurations as well as lightweight, low-resistance-contact hermetics.



April 2019

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

Engineer, physician, and NASA astronaut Mae Jemison aboard the Spacelab Japan Module on the Space Shuttle Endeavour. Mae's mission included bone cell research and weightlessness experiments. She has been elected to the International Space Hall of Fame and even immortalized in the "Women of NASA" LEGO set featuring fellow astronaut Sally Ride.



photo credit: NASA



Glenair HDRM space mechanisms are non-explosive (split-spool) separation nuts and electro-mechanical release mechanisms optimized for foolproof stowage and release of deployable space systems. The series of low-shock, redundant and non-redundant HDRM devices – plus pin pushers and pin pullers – are available from as small as 5 lbs. of release pre-load to over 20,000 lbs.

May 2019

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
Mother's Day						
19	20	21	22	23	24	25
26	27	28	29	30	31	



Astronomy research assistant Alyx Stevens during her geophysical monitoring and stellar evolution internship at the Jet Propulsion Laboratory (JPL). Alyx's research project, part of JPL's Women in STEM program, incorporated computer simulations of nebula formation and star system evolution.

photo credit: NASA/JPL

El Ochito®

High speed, harsh environment El Ochito® octaxial contacts save size and weight. Suitable for aircraft avionics, weapons systems, satellites, radars, communications equipment and other aerospace/defense gear, El Ochito® contacts are optimized for 10G Ethernet, SuperSpeed USB and other multi-gigabit datalink protocols including HDMI, DisplayPort and SATA. El Ochito® contacts provide up to 50% total weight savings and 20 times faster data rates compared to legacy quadax-based solutions.

June 2019

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
Father's Day					First Day of Summer	
23	24	25	26	27	28	29
30						

Tail Spotting?

- 7 Nudiet Nailshire United Airlines
- ___ Mantiev Lairsine ___
- ___ Era Gusnil ___
- ___ Cameorexio ___
- ___ Ria Chain ___
- ___ Air Tamla ___
- ___ Gaspirnoe Ailsiren ___
- ___ Yanirar ___
- ___ Sakala Inerisla ___
- ___ Satfulnah ___
- ___ Hati Waysair ___
- ___ Ira Dinia ___
- ___ Ratqa Siryawa ___
- ___ Pipilipneh Sirelina ___
- ___ Ripsit Snaileri ___
- ___ Ria Wen Lazdean ___
- ___ Arenok Ira ___
- ___ Naifrin ___



Answers published February 15th
www.glenair.com/qwikconnect



Airman 1st Class ShuJie Yan, began her career in the Air Force as an aerospace medical service technician at Edwards Air Force Base in California. Based on her hard work and performance, ShuJie has won a coveted slot to pursue a medical degree at the U.S. Air Force Academy.

photo credit: U.S. Air Force

TurboFlex™ power distribution cables are constructed from highly flexible conductors and insulation materials to produce cables for applications where flexibility, durability, and weight reduction are required. Amazingly durable and flexible—especially in cold weather—TurboFlex cable features high-strand-count rope-lay inner conductors made with tin-, nickel-, or silver-plated copper. TurboFlex is jacketed with Glenair’s unique halogen-free low-smoke Duraelectric™ elastomer that provides outstanding resistance to environmental and chemical exposure.

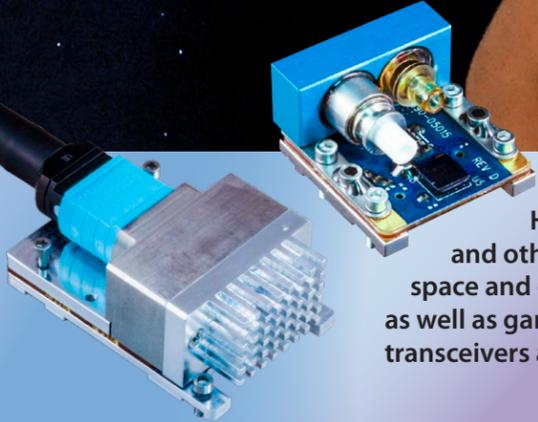


July 2019						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Luz Maria Martinez Sierra, Technologist, Natural Space Environments, designs radiation defense systems for spacecraft like the one created for the Juno Space Probe. The system protected Juno's delicate instrumentation as it measured Jupiter's composition, gravity field, magnetic field, and polar magnetosphere.



Photonics™



Harsh-environment photonic and fiber optic datalink technologies for Ethernet, digital video, and other high-speed data applications up to 10 Gbps and beyond are produced by Glenair for space and other rugged environments where resistance to temperature extremes, vibration and shock, as well as gamma, neutron, proton and heavy ion radiation are key requirements. Glenair optoelectronic transceivers and fiber optic datalinks reduce size and weight while expanding data rates and bandwidths.

photo credit: NASA-JPL/Caltech

August 2019

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



Dorothy Metcalf-Lindenburger qualified as a NASA Astronaut in 2006 and served as a mission specialist on STS-131, the 2010 Space Shuttle resupply mission to the International Space Station. A dedicated educator and advocate of science and astronomy, Dorothy is also the long-time lead singer with the all-astronaut rock band, "Max Q". Rock on, Dorothy!

photo credit: NASA-Johnson Space Center



The Glenair Series 28 HiPer-D connector is intermateable and intermountable with standard M24308 type D-Subs, but meets the need for improved environmental / shielding performance in rugged aerospace environments. HiPer-D is precision-machined from aluminum or stainless steel with dielectric inserts made from thermoset epoxy for improved resistance to chemicals and temperature tolerance up to 200°C continuous operating temperature. Aerospace-grade fluorosilicone grommets and face seals provide watertight sealing. Integrated grounding fingers provide superior electromagnetic compatibility.

September 2019

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					
	First Day of Autumn					



U.S. Air Force Tech. Sgt. and Flight Engineer Jewel Steamer, 33rd Rescue Squadron, scans the ocean during a training flight near Okinawa, Japan. The 33rd RQS specializes in downed-pilot rescue and recovery in hostile environments



photo credit: U.S. Air Force



Ultra low-profile MouseBud™ connectors are designed for use in rugged applications such as pilot helmets. Mating is a snap—simply push to mate and lock. To release, actuate the thumb trigger on the coupling ring. Connectors feature spring-loaded gold plated contacts, stainless-steel shells, and environmental sealing. Cable versions are shielded, overmolded, and 100% tested. The spring-loaded contact system is rated for 2000 mating cycles. Series 860 connectors are suitable for high-speed data, power, video and audio.

October 2019

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		

Airman 1st Class Almaz Tegenu, 374th Maintenance Squadron, inspects the protective circuit tray of a DASH-86 generator at Yokota Air Base, Japan. Tegenu is an aerospace generation equipment mechanic providing service and repair operations on C-130 aircraft.



photo: U.S. Air Force

SERIES
791
 SEVEN
 NINETY-ONE

TM



The Series 791 is a The Scoop-Proof High-Performance Environmental Connector for Signal, Power, RF, and Datalinks. It combines the versatility of the Series 790 Micro-D connector with the rugged features of our popular HiPer-D M24308 type connector. High performance features include Scoop-proof pin protection, blind mating, rugged environmental and EMI protection. This space-grade connector is offered in 37 arrangements and 12 machined shell sizes for complete versatility.

November 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
					3	4
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
				Thanksgiving Day (U.S.)		

Southwest Airlines pilot and hero of Flight 1380, Tammie Jo Shults safely landed her Boeing 737-700 after the aircraft suffered a critical engine failure and uncontrolled fuselage decompression. A former Naval Aviator, Tammie Jo credited teamwork, training and focus for the successful emergency landing.



photo credit: U.S. Navy

SWING ARM[®]
COMPOSITE THREE-IN-ONE BACKSHELL
FLEX

Glenair's composite Swing-Arm strain relief provides lightweight and corrosion-free termination of EMI/RFI cable shielding in electrical wire interconnect cabling. This innovative three-in-one routing backshell has become the standard shield termination device for weight reduction in military and commercial airframe applications. Made from temperature-tolerant composite thermoplastic, rugged Swing-Arm backshells offer easy installation, and outstanding weight and SKU reduction. Performance tested to AS85049 mechanical and electrical standards and available for all commonly-specified mil-standard and commercial cylindrical connectors including MIL-DTL-38999 and Glenair Series 80 Mighty Mouse.

December 2019

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				
First Day of Winter		Christmas Eve	Christmas			
		New Year's Eve				

Goose Bumps

I am an on-again, off-again fan of major league baseball. Having been born and raised in Boston, I of course love it when my beloved Red Sox are doing well, and follow the scores and standings when they are (by the way, I'm writing this in early September, so here's hoping they have gone all the way and swept the World Series by the time you read this column).

Living as I do close by our factory in Glendale, California, I occasionally get a chance to take in a Dodger game at Chavez Ravine, a classically beautiful ball park and one of the oldest still in commerce (number three after the arguably more venerable Fenway and Wrigley Fields). If you have never been to Dodger Stadium, picture a warm Southern California evening under the lights, thousands of fans all in shorts and Dodger Blue, palm trees swaying out beyond a massive expanse of green grass—stunningly alive against the bone-dry Los Angeles hills.

On my last visit, I witnessed something that deserves sharing. We had just entered the park and were still making our way to our seats (via the Dodger Dog Grill, I might add), when the announcer asked the assembled fans to stand and remove their hats for the National Anthem. Like many of the folks still out on the concourse, we paused at one of the aisles heading down to the seats. A young mother and her teenage daughter were standing immediately in front of me, singing along softly as a fabulous soprano—who clearly knew her business—belted out a stunning rendition of our difficult-to-sing anthem.

When the song ended the mother and daughter both turned to look at each other, and as if on cue exclaimed “*wow, goose bumps!*” And let me tell you, I felt exactly the same way they did: filled with awe, pride and joy at the song, performed so well against the backdrop of that lovely stadium.

As we come to the end of another calendar year, may I express how strongly I hope everyone in our extended Glenair family takes the time to find joy in their lives. My colleague Pete Kaufman calls it having “nostalgia for the present.” However you describe it, life is richer when you take time to “smell the roses,” or in my case, get goose bumps from a trip to the ball park.

Finally, I want to say how pleased I am at the contents of what I am told will become an annual *QwikConnect* tradition: a wall calendar celebrating the achievements of the many fine people who work in our “mission-critical” world. This first installment, a tribute to women in aviation, is truly inspiring. It's simply wonderful to see so many folks working so hard and accomplishing so much. Stay safe people, and thanks for your service!

Chris Toomey

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