

# QwikConnect

GLENAIR • OCTOBER 2019 • VOLUME 23 • NUMBER 4

ANNUAL  
CALENDAR ISSUE

## Military Working Dogs



MWD  
(MILITARY WORKING DOG)

25

31



**MWD**  
(MILITARY WORKING DOG)

U.S. Marine Corps Lance Cpl. Angela Cardone runs her Military Working Dog (MWD) through a "controlled aggressiveness" training exercise at the Marine Corp Air Station, Iwakuni, Japan.




**HiPer 55116**

photo credit: Seth Rosenberg/Marine Corps



The MIL-DTL-55116 audio-frequency connector has been used in tactical radio systems for generations. This reliable, field-cleanable interconnect is currently specified for use in the Joint Tactical Radio System (JTRS) and other next-generation voice and data radios for U.S. and NATO military field operations. Glenair manufactures two versions of the MIL-DTL-55116 connector, a standard-performance QPL solution, and an intermateable advanced-performance MCOTS derivative with signature electrical, environmental and mechanical performance.

**JANUARY 2020**

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

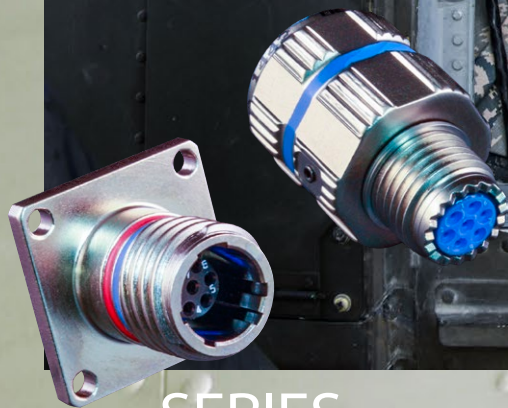


# YODA

U. S. Air Force Tech Sgt. Angel Santiago and MWD Yoda pose for a portrait inside a UH-60 Blackhawk at Incirlik Air Base, Turkey.




photo credit: Senior Airman Kristan Campbell



**SERIES**  
**806**  
**MIL-AERO**

The Series 806 Mil-Aero is a new, signature connector series from Glenair, designed to not only meet but far exceed defense and aerospace industry performance standards with improved SWaP. Weighing in at just half the size and weight of MIL-DTL-38999 Series III, the Series 806 is ideally suited for harsh environment applications including high-altitude, unpressurized aircraft zones with aggressive voltage ratings and altitude immersion benchmarks. Trust Glenair to be on the forefront of small form-factor connector design for the world's most mission-critical applications.

## FEBRUARY 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
						2
9	10	11	12	13	14	15
16	17	18	19	20	Valentine's Day 21	22
23	24	25	26	27	28	29
		Mardi Gras				



U. S. Army Staff Sgt. Kevin Reese and his Military Working Dog Grek take ten outside a safe house in Buhriz, Iraq.

# GREK




photo credit: Staff Sgt. Stacy L. Pearsall



Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But the proliferation of modern C4ISR technology has added significant mission weight to the soldier ensemble. Battery power management for this broad range of electronic gear is a significant challenge in terms of weight and supply logistics. The Glenair signature STAR-PAN™ soldier data hub and power distribution system optimizes battery power life, improving soldier situational awareness, as well as specialty-mission surveillance, intelligence and reconnaissance capabilities.

## MARCH 2020

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
		St. Patrick's Day		First Day of Spring		
22	23	24	25	26	27	28
29	30	31				
						



# JAY

U. S. Army Spc. Robert Dami rewards MWD Jay with a little R & R, after a long day on the job at Forward Operating Base Kalsu, Iraq.



photo credit: Petty Officer 2nd Class Katrina Beeler

## mighty mouse



Ideal for breakaway connections, the Series 804 Mighty Mouse QDC connector is the worldwide standard for soldier electronics, hubs and power management technologies. Invented by Glenair for the Nett Warrior platform and widely used on US and NATO headsets, radios, power supplies and other key equipment, the Mighty Mouse Series 804 meets all immersion requirements, mating-cycle standards as well as shock, vibration, EMC, and high-speed electrical performance benchmarks.

### APRIL 2020

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



U. S. Air Force Staff Sgt. and "Kong Dispenser" Bobbie Ohm with WMD Nero on an explosives detection training exercise at Nellis Air Force Base, outside Las Vegas, Nevada.

photo credit: Senior Airman Brett Clashman



**NERO**



SuperSeal™ is the world's most comprehensive line of ruggedized field RJ45 and USB connectors. SuperSeal™ is optimized for high-speed Ethernet and USB protocol applications in industrial and military environments such as rail, naval, shipboard, and ground soldier communications. SuperSeal™ enables commercial quality RJ45 and USB connectors to perform their important connectivity functions in rugged application environments requiring higher levels of sealing, grounding, and life-of-system durability.

**MAY 2020**

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



MWD Egon halts on command at the mouth of a tunnel during an obstacle-course training exercise.

**EGON**



photo credit: Senior Airman Ramon A. Adelan



Series 707 Micro-PSI is an ultraminiature 10K psi high-pressure, high-temperature interconnect designed for pipeline inspection applications in Magnetic Flux Leakage and ultrasonic pipeline inspection PIGs. The Micro-PSI Series features high-density Micro TwistPin layouts for sensor applications running on high-speed Gigabit Ethernet, as well as Coax contact layouts for high-frequency RF transmissions. Micro-PSI plugs are supplied as discrete connectors, or overmolded cordsets with rugged Viton or Polyurethane jacketing and reliable O-ring environmental sealing. Jam-nut and panel-mount receptacles are 10K psi open-face pressure sealed, and incorporate fused vitreous-glass inserts for  $<1 \times 10^{-7}$  scc He/sec hermetic performance.

**JUNE 2020**

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
						First Day of Summer
21	22	23	24	25	26	27
Father's Day						
28	29	30				





WHEN IT COMES TO BREEDING, THESE DOGS ARE ALL MIXED UP!





# JACKSON

U. S. Air force MWD Jackson atop a U. S. Army M2A3 Bradley Fighting Vehicle in Kahn Bani Sahd, Iraq.




photo credit: U.S. Air Force Staff Sgt. Stacy L. Pearsall



Glenair is one of the world's most experienced manufacturers of reverse-bayonet, 5015 type power and signal connectors. These ruggedized connectors have been used in thousands of industrial, rail and military applications. Now Glenair has taken this proven reverse-bayonet coupling technology and combined it with next-generation materials, design, and precision machining to create the ultimate high-performance power and signal cylindrical connector. The Super ITS™ Series 921 offers vastly improved mechanical, environmental and electrical performance compared to standard-duty 5015 connectors.

## JULY 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
						Independence Day
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	



# KARRO

photo credit: U. S. Air Force

LEONARDO'S  
**PROSEAL**  
spring-action protective covers

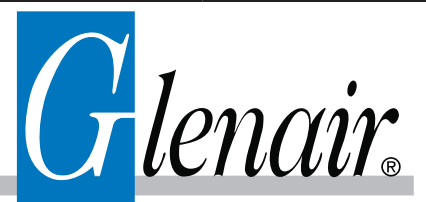
MWD Karo enjoying a little break with a Kong dog toy. Handlers build motivation and trust with their dogs via such rewards—both throughout training and actual work.



High-performance interconnect applications employ protective covers to seal unmated receptacles from sand, dust, and fluid ingress, as well as other forms of environmental and mechanical damage. ProSeal spring-action environmental protective covers are mounted directly to panels and electronic equipment housings to enhance the reliability and foolproof performance of military/aerospace connectors—particularly in applications that see a high number of mate/demate cycles—and are supplied in two styles for dust, spray, and fluid immersion protection (IP67) as well as full environmental (water jet) configurations (IP68).

## AUGUST 2020

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					



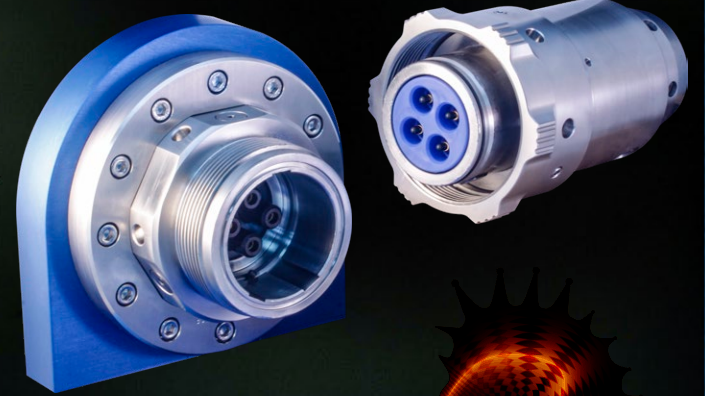


# CHESTY



Chesty photo credit: U.S. Navy

Pfc. Chesty XIV, at the conclusion of his recruit-training and basic indoctrination into the Marine Corps. Pfc. Chesty is the latest in a long line of Bulldogs to train and serve as the official mascot of the U. S. Marines. Semper Fi Chesty.



Glenair's SeaKing Power connector family is optimized for subsea primary power junctions including applications requiring API-compliant test ports. Like all SeaKing Series connectors, SeaKing Power is rated to 10K PSI in open-face or mated condition. A range of shell sizes and contact inserts is available. These high-voltage (1-5kV) and high-amperage (up to 350 Amps) solder cup contact connectors are ready for immediate deployment in overmolded or PBOF configurations for use in blowout prevention systems, riser monitor systems, and other subsea drilling and control equipment sets.



## SEPTEMBER 2020

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



# COLLIE

U. S. Marine Cpl. Paul Keely centers up MWD Collie before setting him loose on a decoy during "Controlled Aggression" training.




photo credit: U.S. Marine Corps

## SUPERFLY DATALINK

High-speed, harsh environment SuperFly® Datalink connectors—optimized for 10Gb Ethernet and SuperSpeed USB protocols—save significant size and weight compared to Quadrax. Suitable for soldier systems, aircraft avionics, weapons systems, satellites, radars, communications equipment and other aerospace/defense gear, Octaxial SuperFly® Datalink connectors bring superior EMC shielding, environmental protection, and signal integrity to mission-critical mil-aero applications.

### OCTOBER 2020

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
						Halloween

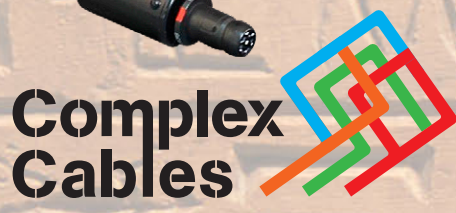


# CAIRO

Cairo, U. S. Air Force Staff Sgt. Brent Young's service dog, waits for his master to return from archery competition at the 2018 DoD Warrior Games.




photo: Roger L. Wollenberg, DoD



Interconnect Wire Harness and Cable Assemblies are the connectivity backbone of electronic systems, and Glenair has been a go-to cable house for high-performance interconnect cable assemblies for more than 50 years. We specialize in delivering terminated, tested cable harnesses and assemblies with 100% reliability and quality control. We offer complete, turnkey cable assembly services from design engineering to fabrication and test, and are qualified to all military and commercial aerospace standards.

## NOVEMBER 2020

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



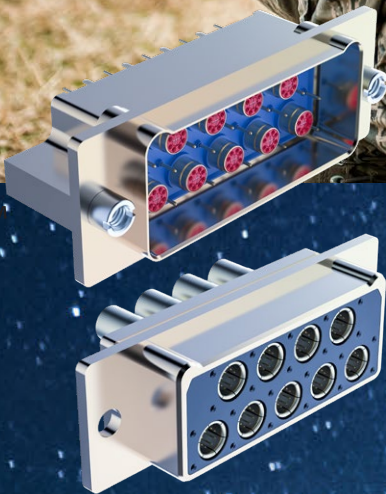
# STELLA



Staff Sgt. Monica Bizallion, 8th Security Forces Squadron MWD handler, bonds with her dog Stella after a difficult round of obstacle-course training, Kunsan Air Base, Republic of Korea.

photo credit: U.S. Air Force Staff Sgt. Clayton Lenhardt

SERIES  
**792**  
SEVEN  
NINETY-TWO



The Series 792 is an aerospace-grade ultraminiature rectangular connector for high-speed datalinks including 10Gb Ethernet, USB 3.0, and HDMI. The Series 792 features precision-machined (not stamped!) aluminum alloy shells with dual lobes for robust polarization. The 100% scoop-proof interface protects contacts from damage. An integrated ground spring reduces susceptibility to electromagnetic interference. Hybrid layouts with discrete size #23 signal or power contacts add additional versatility. The 792's small size and blind-mate capability makes it a perfect choice for radars, weapons systems, communications gear, satellites, and avionic instrumentation.

## DECEMBER 2020

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 Winter			Christmas Eve	Christmas Day	
27	28	29	30	31		
				New Year's Eve		



# Outlook

## Trip Or Kick?

We have a “people-management” homily we sometimes tell at Glenair that I think dovetails perfectly with this special *QwikConnect* salute to Military Working Dogs and their handlers. At its heart, the story is about building trust, but more importantly, why trust is such an important element in all successful relationships.

Let’s imagine you bring home a new puppy. You of course want the dog to become a contributing member of your household (“add value” as we say in business) so you treat the dog kindly, providing it with food, shelter, and regular attention. As the dog grows, you train the animal in the do’s and don’ts of the household, and reward good behavior with positive reinforcement. Over time, both you and Fido come to trust each other without reservation, and ultimately, to delight in each other’s loyal company.

Now imagine instead, you bring your new puppy home and your plan for “getting the most out of your pet” is to beat the animal with a rolled-up newspaper anytime its behavior disappoints you. Or to punish that “bad dog” by withholding its food or kicking it outside at night to suffer in the rain and cold. You try shouting, shouting louder, and finally just give up because this particular breed of dog is obviously just too stubborn or stupid to get it.

Now of course this story is not just about dogs, because it turns out behaving in a manner designed to instill trust is also the most important thing people do to build and maintain good human relationships. A successful dog owner earns an animal’s trust by living up to his part of the bargain, by giving his pet a warm and nurturing home. Earning and keeping the trust of an employee, a customer, a vendor, a partner, a spouse, a child—whoever—is no different. It’s all about embracing your end of the deal, your responsibilities, and making good on that deal, that promise, consistently and fairly.

Are people really no different than dogs? I didn’t say that. But the way we respond to positive-reinforcement and fair play is surely similar. The handlers who dedicate their military careers (thank you for your service!) to working with and training MWDs know this better than anyone. I am told they are specifically trained to never doubt their dog’s abilities when working the animal, as any doubt—any breakdown in trust—can negatively impact the dog’s performance. “Emotions travel up and down the leash” is the expression they use to explain the unique bond of trust they share with their dogs.

I am also told a dog can tell the difference between an accidental trip and an intentional kick. I think the truth of the matter is that dogs, like people, have little difficulty reading each others’ intentions, both those they have learned to trust, as well as those they don’t.

*Chris Toomey*

# QwikConnect

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Cover: U.S. Secret Service canine Hurricane poses for retirement photo on White House lawn.  
photo: U.S. Secret Service

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