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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER E.O. P20077	08DEC2008	-	RDR
	B	REVISED PER E.O. P21366	04JUN2012	-	RDR
	B1	REVISED PER ECO-14-002953	29JAN2014	PV	DM
	B2	REVISED PER ECO-14-010089	02JUL2014	JA	DM

Technical drawing of a receptacle connector showing front, side, and rear views with dimensions and callouts.

- Front view: Overall diameter $\phi 1.750$ [44.45], overall height 1.625 [41.28]. Contact positions labeled A through J.
- Side view: Overall length 1.660 [42.18], distance to contact center 1.055 [26.8], distance to weld ring .100 [2.54]. Labels include REPTACLE HOUSING, WELD RING, and 1.375-18 UNEF-2A THREAD REF.
- Rear view: Shows 105 contact positions, DEUTSCH brand, and 9X SIZE 16. Includes a GROMMET callout.

8. THIS RECEPTACLE TO BE USED WITH 2411-002-1805 PANEL NUT AND 2414-002-1886 LOCK WASHER. PANEL NUT MOUNTING TORQUE: 45-55 IN. LB. [5.1 - 6.1 N.M.]

7. B022 MODIFICATION: SAE J1939-13, TYPE 1.

6 MATERIAL: RECEPTACLE HOUSING AND WELD RING: PA 15%GF (BLACK)
 GROMMET: SILICONE (RED)

5 OVERALL DIMENSION DOES NOT INCLUDE RUBBER GROMMET.

4. THIS RECEPTACLE MATES WITH FOLLOWING PLUGS(X=SEAL TYPE, XXXX = ALL MODIFICATIONS)
 HD16-9-1939SX-XXXX
 HD17-9-1939SX-XXXX

3 SEE DRAWING 0425-015-0000 FOR CONTACT AND WIRE PERFORMANCE AND APPLICATION CHARACTERISTICS.

2 RECOMMENDED PANEL THICKNESS: .062 [1.57] TO .188 [4.77].

1. SEE TABLE FOR USABLE WIRE RANGE AND INSULATION RANGES.

PART NUMBER	SEAL TYPE	CONTACT SIZE	MIN. INSUL. O.D.	MAX. INSUL. O.D.	WIRE RANGE [mm ²]
HD10-9-1939P-B022	NORMAL	16	.100 [2.54]	.150 [3.81]	14-18 AWG [2.0-.75]
HD10-9-1939PE-B022	E	16	.053 [1.35]	.120 [3.05]	14-20 AWG [2.0-.50]

NOTES:

Recommended mounting hole detail drawing showing dimensions and callouts.

- Overall diameter: $\phi 1.507 \pm .005$ [38.28 ± 0.12]
- Vertical dimension: $1.442^{+.010}_{-.000}$ [36.63^{+0.25}_{-0.00}]
- Callout 2: RECOMMENDED MOUNTING HOLE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 12 FEB 2008 I. GRANICHAROVA	TE Connectivity	
DIMENSIONS: [INCHES][mm]		CHK 02 JUL 2014 ILINA GRANICHAROVA	NAME RECEPTACLE CONNECTOR ARR. 9-1939 -B022 MOD HD10 SERIES PANEL MOUNT, D-HOLE	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ±.025 4 PLC ± ANGLES ±0° 30' 0" FINISH		APVD 02 JUL 2014 DAVID MEYER	PRODUCT SPEC	
MATERIAL 6		APPLICATION SPEC	WEIGHT 42.38g	RESTRICTED TO
		SIZE A2	CAGE CODE 4AFU8	DRAWING NO. HD10-9-1939PX-B022
		SCALE 2:1	SHEET 1 OF 1	REV B2

1471-9 (3/11)