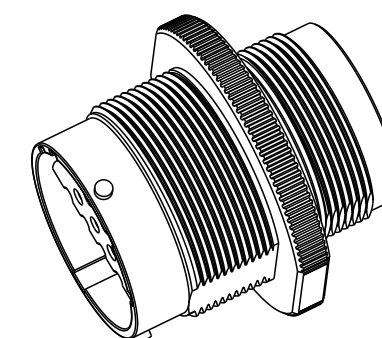
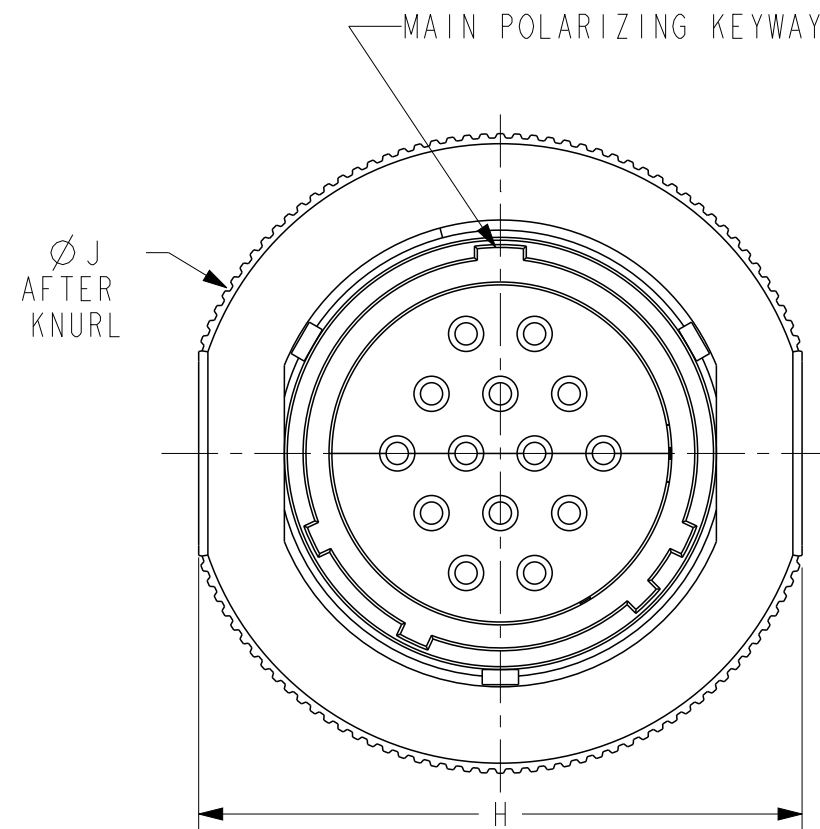
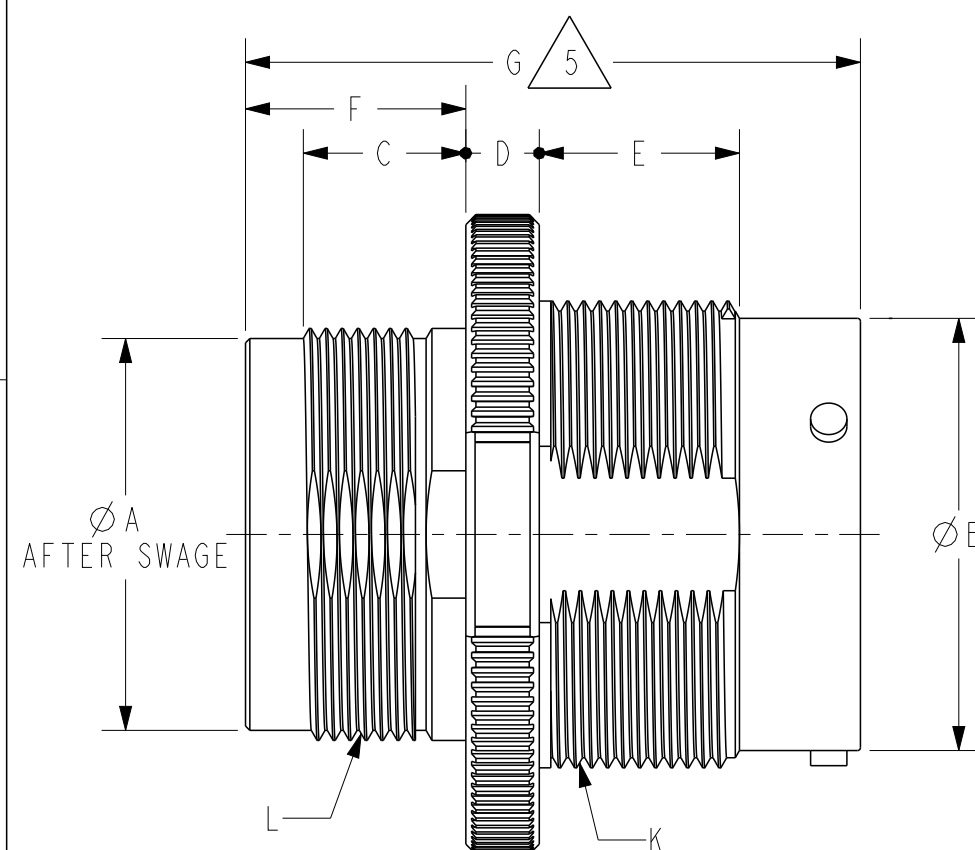


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APV
	C	REVISED PER E.O P20543	7/14/10	I.G	RDR
	D	REVISED PER PCN E-18-018867	12/04/18	J.A	D.M
	D1	REVISED PER PCN E-19-007592	01/09/20	CO	IG
	D2	REVISED PER PCN E-20-002582	02/21/2020	CO	IG



3D VIEW

PART NUMBER	SIZE	Ø A [mm]	Ø B REF [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G REF [mm]	H [mm]	Ø J [mm]	K THREAD	L THREAD
8NXXXX-24-XXP/S	24	Ø 1.368 [34.75]	Ø 1.500 [38.10]	.565 [14.35]	.255 [6.48]	.695 [17.65]	.765 [19.43]	2.248 [57.10]	2.095 [53.21]	2.220 [56.39]	1.625-18UNEF-2A MODIFIED	1.4375-18UNEF-2A MODIFIED
8NXXXX-32-XXP/S	32	Ø 1.925 [48.90]	Ø 2.110 [53.59]	.520 [13.21]	.300 [7.62]	.695 [17.65]	.720 [18.29]	2.348 [59.64]	2.925 [74.30]	3.200 [81.28]	2.250-16UN-2A	2.000-18UNS-2A MODIFIED

9. SEE SHEET 2 FOR CONTINUED NOTES

8. PLATING: CLEAR TRIVALENT CHROMATE CONVERSION COATING (ROHS COMPLIANT)

7. MATERIAL: RECEPTACLE HOUSING:AL 6000 SERIES; GROMMET:VMO (RED-ORANGE); RETAINING RING: PA66 GF10

6. PART NUMBER INFO: XXXX = CATERPILLAR PART NO.
24/32 = RECEPTACLE SHELL SIZE; XX = ARRANGEMENT NO.

5. TOTAL DIMENSION WITH WIRE SEAL.

4. FOR CONTACTS AND WIRES PERFORMANCE AND APPLICATION CHARACTERISTICS SEE CUSTOMER DRAWING 4025-001-0000.

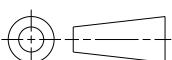
3. FOR ARRANGEMENT OF CONTACT LOCATION SEE CUSTOMER
DRAWING 4025-006-0000.

2. RECEPTACLE IS SUPPLIED WITH DUST CAP PN 6VI830 (SIZE 24), AND 6VI827 (SIZE 32) (NOT SHOWN).

1. CONSULT THE FACTORY FOR ELECTRICAL AND MATERIAL SPECIFICATIONS.

NOTES:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	WIRE RANGE [mm ²] REF ONL
4	.280 [.711]	.420 [10.67]	4 AWG [21.0]
8	.190 [4.83]	.240 [6.10]	8-10 AWG [8.0-5.0]
12	.134 [3.40]	.170 [4.32]	10-14 AWG [5.0-2.0]
16	.100 [2.54]	.134 [3.40]	14-20 AWG [2.0-0.5]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 3/24/08 I. GRANTCHAROVA		 TE Connectivity	
DIMENSIONS: in [mm]		CHK 7/14/10 R. MILLIGAN			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 7/14/10 S. BEARD		NAME RECEPTACLE CONNECTOR SHELL SIZE 24 & 32 C.E. SERIES	
		PRODUCT SPEC -		SIZE	
0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ±.025 [.64] 4 PLC ± ANGLES ±		APPLICATION SPEC -		CAGE CODE	
MATERIAL		WEIGHT -		DRAWING NO	
FINISH		CUSTOMER DRAWING		RESTRICTED T	
				A3 00779	
				C=8NXXXX-24/32-XXP/S	
				SHEET 1 OF 2	
				REV D2	

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[8N1517-32-25P](#)