THIS IS ISSUED IN STRICT CONFIDENCE ON CONDITION THAT IT IS NOT USED AS A BASIS FOR MANUFACTURE OR SALE, AND THAT IT IS NOT COPIED, REPRINTED OR DISCLOSED TO A THIRD PARTY EITHER WHOLLY OR IN PART WITHOUT THE PRIOR WRITTEN CONSENT OF ITT CANNON.

DWG NO. 980-0000-991 | SH 1 | REV D

REV	CHANGE NO.	DESCRIPTION	DATE
-		INITIAL RELEASE	9/23/16
A	SA-000319035	ADD SIZE 100 PART NUMBER	5/5/17
B	SA-000319125	ADD 3 NEW PART NUMBERS	7/17/17
C	00000853-CR	ADDED NEW PART NUMBERS	8/25/21
D	00028837-CR	ADDED SIZE 69, REDRAW I PRO ENGINEER	9/18/21

BACKSHELL NOMENCLATURE

MDM - BT - 15 TE - SJS - CAD

SERIES
MDM - MICRO "D" MINITURE SERIES

BAND TIED BACKSHELL

SHELL SIZE
9 THRU 100

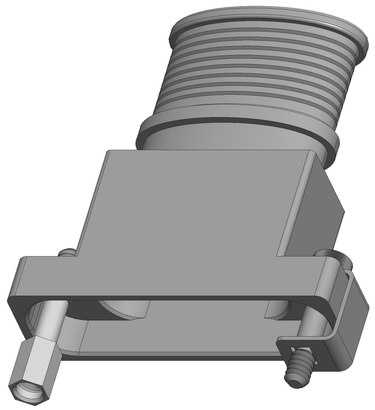
CABLE ENTRY STYLE
TE - TOP ENTRY
AE - ANGLED ENTRY
SE - SIDE ENTRY

HARDWARE
SJS - SPRING CLIP & JACKSCREW
JP - JACKPOST, WASHER & NUT

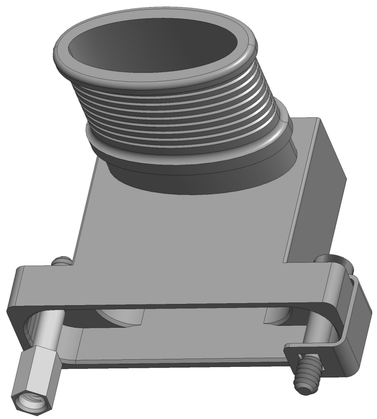
PLATING
BLANK - ELECTROLESS NICKEL, RoHS COMPLIANT
CAD - YELLOW CHROMATE OVER CADMIUM
CONSULT FACTORY FOR PLATING NOT LISTED

CABLE ENTRY STYLE

TE (TOP ENTRY)



SE (SIDE ENTRY)



AE (ANGLED ENTRY)

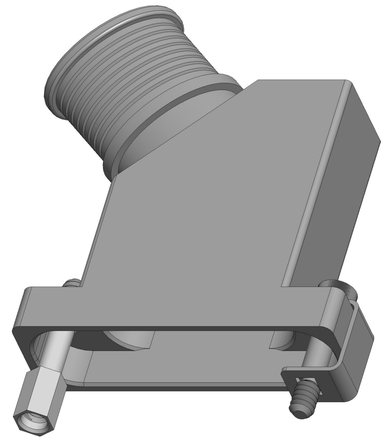
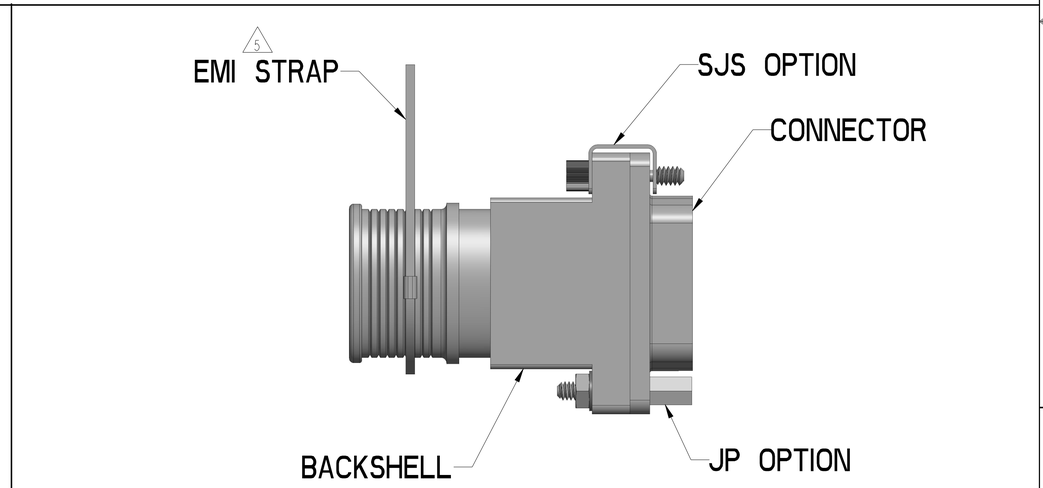


TABLE I		
MATERIALS & FINISHES		
COMPONENT	MATERIAL	FINISH
BACKSHELL	ALUMINUM 6061-T651*	NICKEL OR CADMIUM
JACKSCREW	STAINLESS STEEL	PASSIVATED
JACKPOST		
HEX NUT		
CLIP		
WASHER		
EMI STRAP		



NOTES: UNLESS OTHERWISE SPECIFIED.

1. IDENTIFICATION MARKING APPROXIMATELY WHERE SHOWN ON EITHER SIDE OF BACKSHELL BODY.
2. FOR MATERIALS AND FINISH REFER TO TABLE I.
3. FOR BACKSHELL SIZES 9 THRU 69 JACKPOST AND JACKSCREW THREADS TO BE #2-56 AND SHOULD BE TORQUED TO A VALUE OF 3-4 IN-LBS WHEN SECURED TO THE REAR OF THE CONNECTOR.
4. FOR BACKSHELL SIZE 100 JACKPOST AND JACKSCREW THREADS TO BE #4-40 AND SHOULD BE TORQUED TO A VALUE OF 5-6 IN-LBS WHEN SECURED TO THE REAR OF THE CONNECTOR.
5. EMI STRAP TO BE SHIPPED LOOSE AND UNINSTALLED.

ELECTRONIC APPROVALS ON FILE

ITT Cannon LLC
56 Technology Drive, Irvine, CA 92618

UNLESS OTHERWISE SPECIFIED:
-DIMENSIONS AND TOLERANCES ARE PER ASME Y14.5M-1994
-DIMENSIONS ARE IN INCHES AND [MM].
-REMOVE ALL BURRS AND SHARP EDGES .005 [0.13] MAX.
-DO NOT SCALE DRAWING.

TOL DECIMALS
.X ± .02 [0.51]
.XX ± .01 [0.25]
.XXX ± .005 [0.127]
.XXXX ± .0005 [0.0127]

TOL ANGLES
X° ± 1°
SURFACE ROUGHNESS
63 [1.6] √

3RD ANGLE PROJECTION

WEIGHT | CRITICAL DIM ▼ 0
DENSITY | SPC DIM ▼ 0
VOLUME | KEY CHARACTERISTIC KEY 0
SURFACE AREA
REF
PART NO MDM-BT-9* THRU MDM-BT-100*

SCALE 4.000
CAGE CODE 71468

DESCRIPTION
BACKSHELL, MICRO METAL,
MDM-BT MASTER

SIZE D | USE P/C | SHEET 1 / 3 | 980-0000-991 | REV D

DWG FILE NAME: 980-0000-991

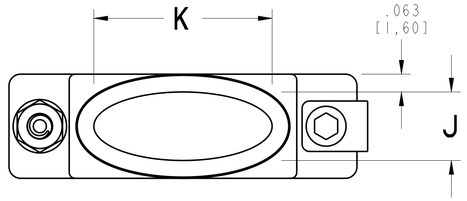
EXPORT CODE C
COMMERCIAL. RESTRICTED TO EMBARGOED COUNTRIES AND DENIED PARTIES.
PRINTED COPIES ARE NOT MAINTAINED TO LATEST REVISION.

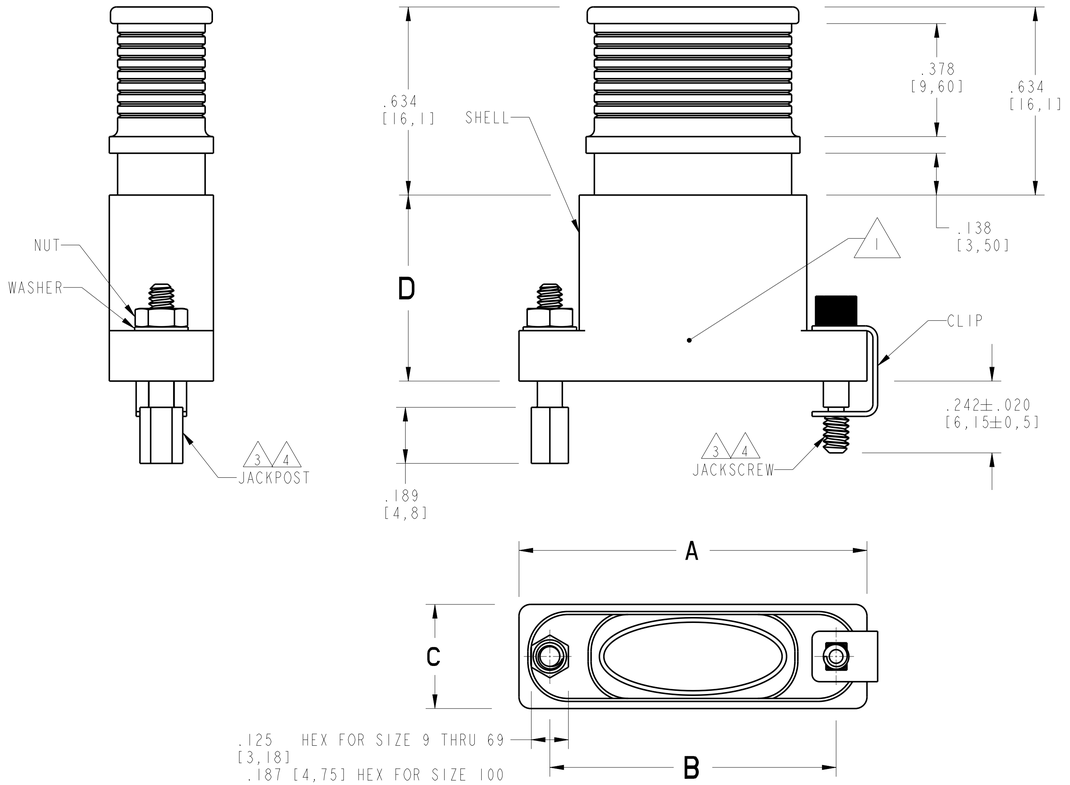
THIS IS ISSUED IN STRICT CONFIDENCE ON CONDITION THAT IT IS NOT USED AS A BASIS FOR MANUFACTURE OR SALE, AND THAT IT IS NOT COPIED, REPRINTED OR DISCLOSED TO A THIRD PARTY EITHER WHOLLY OR IN PART WITHOUT THE PRIOR WRITTEN CONSENT OF ITT CANNON.

CABLE ENTRY STYLE

TE (TOP ENTRY)

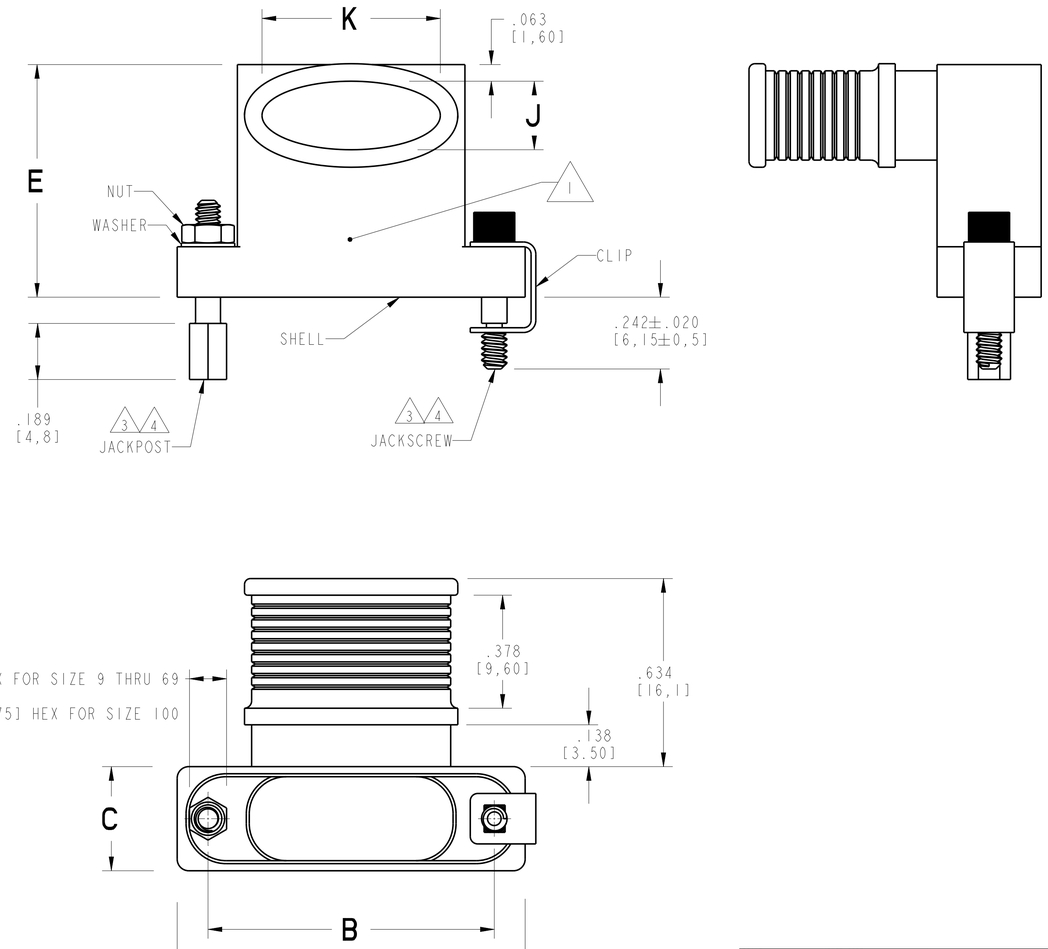
SIZE	A ± .008 [± 0.20]	B	C	D	J	K
9	.776 [19.7]	.565 [14.35]	.354 [9.0]	.394 [10.0]	.228 [5.8]	.276 [7.0]
15	.921 [23.4]	.715 [18.16]	.354 [9.0]	.472 [12.0]	.228 [5.8]	.425 [10.8]
21	1.075 [27.3]	.865 [21.97]	.354 [9.0]	.551 [14.0]	.228 [5.8]	.425 [10.8]
25	1.177 [29.9]	.965 [24.51]	.354 [9.0]	.630 [16.0]	.228 [5.8]	.598 [15.2]
31	1.327 [33.7]	1.115 [28.32]	.354 [9.0]	.669 [17.0]	.228 [5.8]	.598 [15.2]
37	1.476 [37.5]	1.265 [32.13]	.354 [9.0]	.709 [18.0]	.228 [5.8]	.791 [20.1]
51	1.421 [36.1]	1.215 [30.86]	.394 [10.0]	.748 [19.0]	.268 [6.8]	.898 [22.8]
69	1.721 [43.72]	1.515 [38.48]	.394 [10.0]	.748 [19.0]	.268 [6.8]	.898 [22.8]
100	2.165 [55.0]	1.800 [45.72]	.433 [11.0]	.827 [21.0]	.307 [7.8]	1.024 [26.0]





SE (SIDE ENTRY)

SIZE	A ± .008 [± 0.20]	B	C	E	J	K
9	.776 [19.7]	.565 [14.35]	.354 [9.0]	.591 [15.0]	.228 [5.8]	.276 [7.0]
15	.921 [23.4]	.715 [18.16]	.354 [9.0]	.650 [16.5]	.228 [5.8]	.425 [10.8]
21	1.075 [27.3]	.865 [21.97]	.354 [9.0]	.709 [18.0]	.228 [5.8]	.425 [10.8]
25	1.177 [29.9]	.965 [24.51]	.354 [9.0]	.787 [20.0]	.228 [5.8]	.598 [15.2]
31	1.327 [33.7]	1.115 [28.32]	.354 [9.0]	.827 [21.0]	.228 [5.8]	.598 [15.2]
37	1.476 [37.5]	1.265 [32.13]	.354 [9.0]	.866 [22.0]	.228 [5.8]	.791 [20.1]
51	1.421 [36.1]	1.215 [30.86]	.394 [10.0]	.906 [23.0]	.268 [6.8]	.898 [22.8]
69	1.721 [43.72]	1.515 [38.48]	.394 [10.0]	.906 [23.0]	.268 [6.8]	.898 [22.8]
100	2.165 [55.0]	1.800 [45.72]	.433 [11.0]	.984 [25.0]	.307 [7.8]	1.024 [26.0]

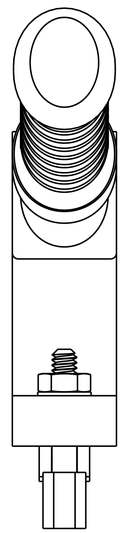


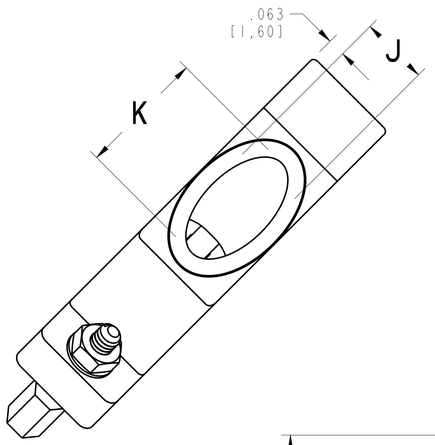
SCALE	CAGE CODE	DO NOT SCALE DRAWING
4.000	71468	
SIZE D	SHEET 2 / 3	USE P/C
DWG NO 980-0000-991	REV D	

DWG FILE NAME: 980-0000-991

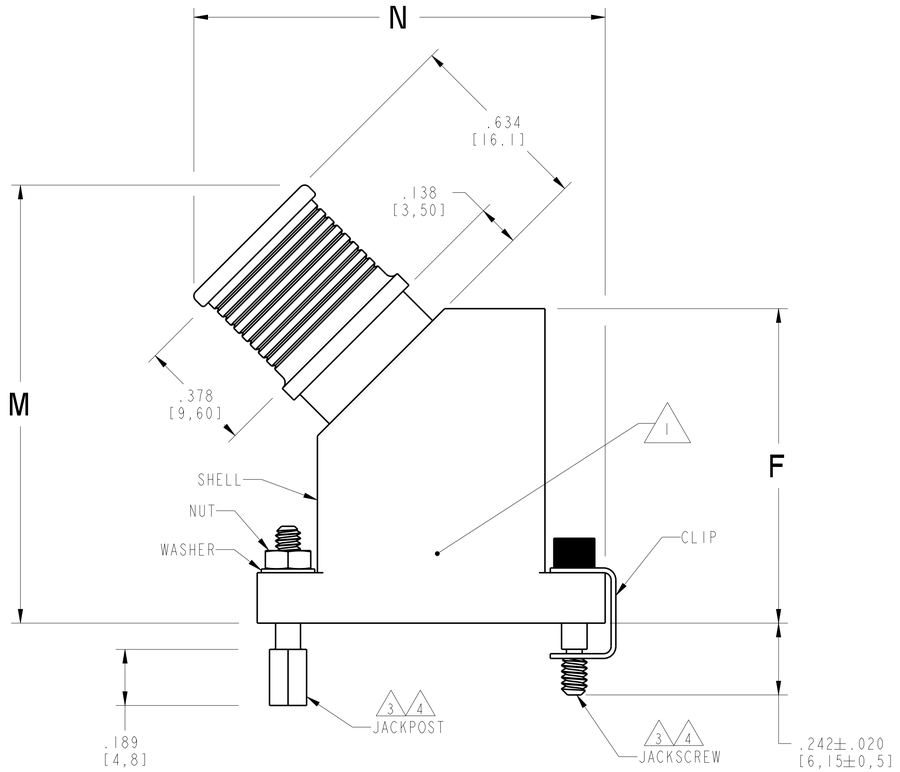
EXPORT CODE C
COMMERCIAL. RESTRICTED TO EMBARGOED COUNTRIES AND DENIED PARTIES.
PRINTED COPIES ARE NOT MAINTAINED TO LATEST REVISION.

THIS IS ISSUED IN STRICT CONFIDENCE ON CONDITION THAT IT IS NOT USED AS A BASIS FOR MANUFACTURE OR SALE, AND THAT IT IS NOT COPIED, REPRINTED OR DISCLOSED TO A THIRD PARTY EITHER WHOLLY OR IN PART WITHOUT THE PRIOR WRITTEN CONSENT OF ITT CANNON.

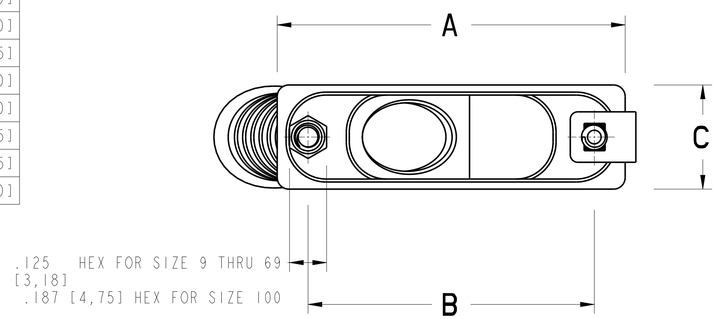




AE (ANGLED ENTRY)



SIZE	A ± .008 [± 0.20]	B	C	F	J	K	M MAX	N MAX
9	.776 [19.7]	.565 [14.35]	.354 [9.0]	.827 [21.0]	.189 [4.8]	.189 [4.8]	1.260 [32.0]	1.024 [26.0]
15	.921 [23.4]	.715 [18.16]	.354 [9.0]	.906 [23.0]	.189 [4.8]	.189 [4.8]	1.339 [34.0]	1.181 [30.0]
21	1.075 [27.3]	.865 [21.97]	.354 [9.0]	.984 [25.0]	.228 [5.8]	.276 [7.0]	1.417 [36.0]	1.339 [34.0]
25	1.177 [29.9]	.965 [24.51]	.354 [9.0]	1.063 [27.0]	.228 [5.8]	.425 [10.8]	1.496 [38.0]	1.437 [36.5]
31	1.327 [33.7]	1.115 [28.32]	.354 [9.0]	1.102 [28.0]	.228 [5.8]	.425 [10.8]	1.535 [39.0]	1.575 [40.0]
37	1.476 [37.5]	1.265 [32.13]	.354 [9.0]	1.142 [29.0]	.228 [5.8]	.598 [15.2]	1.575 [40.0]	1.732 [44.0]
51	1.421 [36.1]	1.215 [30.86]	.394 [10.0]	1.181 [30.0]	.268 [6.8]	.697 [17.7]	1.614 [41.0]	1.673 [42.5]
69	1.721 [43.72]	1.515 [38.48]	.394 [10.0]	1.181 [30.0]	.268 [6.8]	.697 [17.7]	1.614 [41.0]	1.673 [42.5]
100	2.165 [55.0]	1.800 [45.72]	.433 [11.0]	1.496 [38.0]	.307 [7.8]	1.024 [26.0]	1.929 [49.0]	2.283 [58.0]



SCALE 4.000 | CAGE CODE 71468 | DO NOT SCALE DRAWING
SIZE D | SHEET 3 / 3 | DSE P/C | DWG NO 980-0000-991 | REV D

DWG FILE NAME: 980-0000-991

EXPORT CODE C
COMMERCIAL. RESTRICTED TO EMBARGOED COUNTRIES AND DENIED PARTIES.
PRINTED COPIES ARE NOT MAINTAINED TO LATEST REVISION.