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LOC

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DIST

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	C	CLARIFICATIONS	23APR2009	JT	YP
	D	CHANGE FORMAT AND MODIF NOTE 5	28OCT2011	JT	YP

RECEPTACLE-MDE TYPE

SCALE 1:1

SECTION A-A

10.90	6.17	55.32	13.56	15.37	10.74	61.11	52.43	66.93	RECEPTACLE	50	5	MDE308G-50S2-001	2-135787-0
10.90	6.17	57.71	10.72	12.55	7.90	63.50	54.84	69.32	RECEPTACLE	37	4	MDE308G-37S2-001	1-135787-8
10.90	6.17	41.30	10.72	12.55	7.90	47.04	38.38	53.04	RECEPTACLE	25	3	MDE308G-25S2-001	1-135787-6
10.90	6.17	27.51	10.72	12.55	7.90	33.32	24.66	39.14	RECEPTACLE	15	2	MDE308G-15S2-001	1-135787-4
10.90	6.17	19.28	10.72	12.55	7.90	24.99	16.33	30.81	RECEPTACLE	09	1	MDE308G-9S2-001	1-135787-2
10.90	6.17	55.32	13.56	15.37	10.74	61.11	52.43	66.93	RECEPTACLE WITH SOCKET CONTACTS	50	5	MDE308G-50S2	1-135787-0
10.90	6.17	57.71	10.72	12.55	7.90	63.50	54.84	69.32	RECEPTACLE WITH SOCKET CONTACTS	37	4	MDE308G-37S2	135787-8
10.90	6.17	41.30	10.72	12.55	7.90	47.04	38.38	53.04	RECEPTACLE WITH SOCKET CONTACTS	25	3	MDE308G-25S2	135787-6
10.90	6.17	27.51	10.72	12.55	7.90	33.32	24.66	39.14	RECEPTACLE WITH SOCKET CONTACTS	15	2	MDE308G-15S2	135787-4
10.90	6.17	19.28	10.72	12.55	7.90	24.99	16.33	30.81	RECEPTACLE WITH SOCKET CONTACTS	09	1	MDE308G-9S2	135787-2
M±0.25	K±0.13	G±0.25	H±0.25	E±0.38	D±0.13	C±0.13	B±0.13	A±0.38	DESCRIPTION	NB POS.	SIZE	OLD P/N	P/N 2
												STANDARD MOUNT	

SEE NOTES ON LAST SHEET

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DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.13
1 PLC ±0.13
2 PLC ±0.13
3 PLC ±
4 PLC ±
ANGLES ±1
FINISH

MATERIAL

NOTE 3

DWN BUON B. 17NOV1998
CHK LOUDIEUX G. 17NOV1998
APVD FURIO M. 17NOV1998

PRODUCT SPEC

APPLICATION SPEC
NOTE 7

WEIGHT

CUSTOMER DRAWING

TE Connectivity

NAME
SEALED SUB D CONNECTOR
MDE - SERIES

SIZE
A2

CAGE CODE
00779

DRAWING NO
135787

RESTRICTED TO

SCALE 2:1

SHEET 1 OF 7

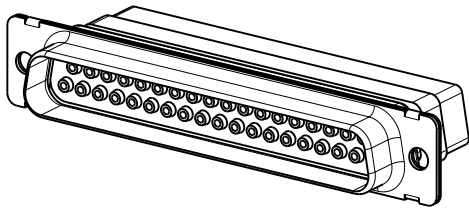
REV D

1471-9 (3/11)

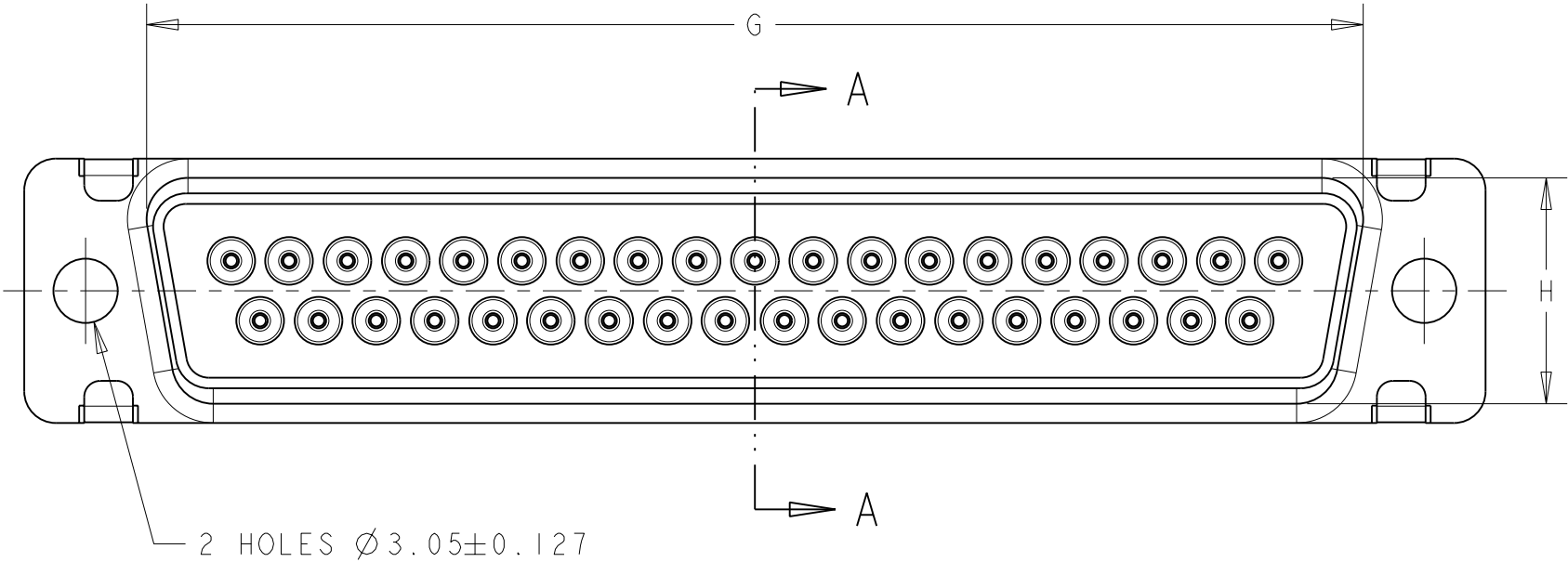
Pro/ENGINEER DRAWING

LOC	DIST	REVISIONS				
F	00	P	LTR	DESCRIPTION	DATE	APVD
		-		SEE SHEET 1	-	-

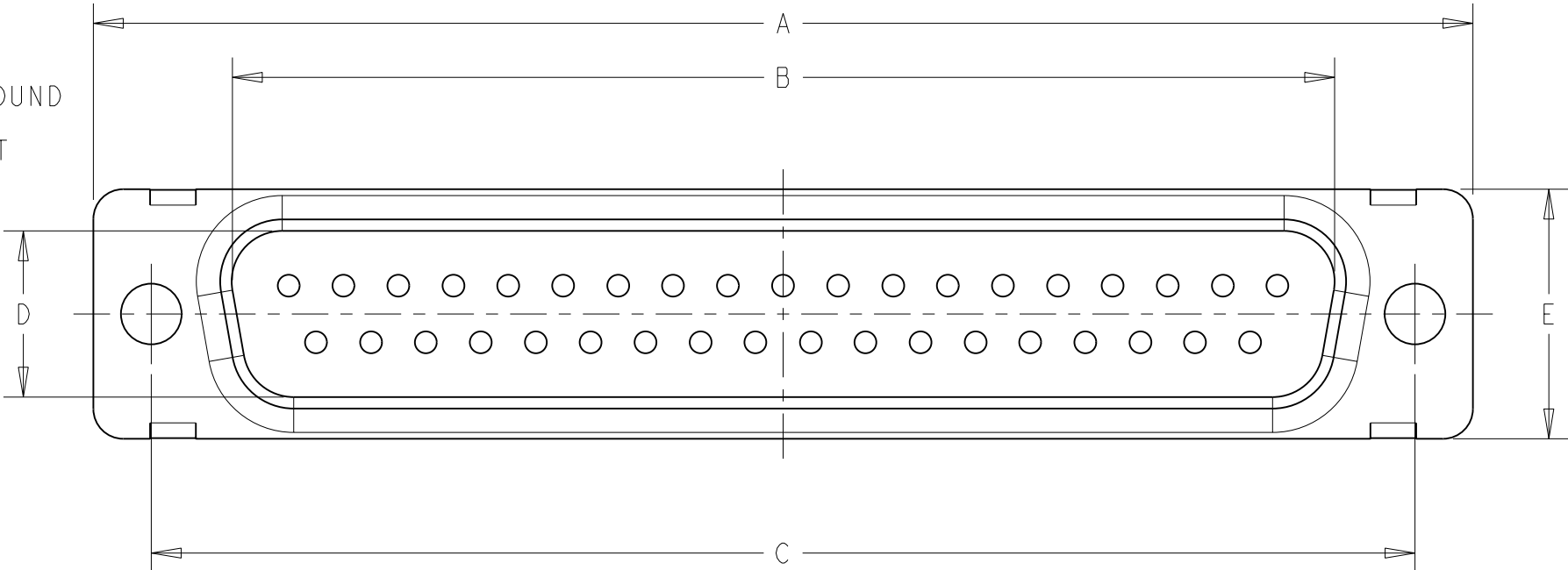
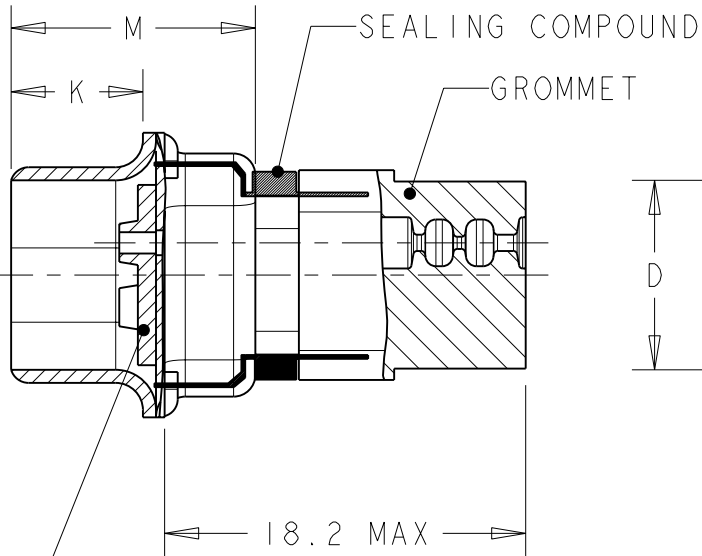
PLUG-MDE TYPE



SCALE 1:1



SECTION A - A



10.82	5.84	55.32	13.56	15.37	11.20	61.11	52.81	66.93	PLUG	50	5	MDE308G-50P2-001	1-135787-9
10.82	5.84	57.71	10.72	12.55	8.36	63.50	55.42	69.32	PLUG	37	4	MDE308G-37P2-001	1-135787-7
10.82	5.84	41.30	10.72	12.55	8.36	47.04	38.96	53.04	PLUG	25	3	MDE308G-25P2-001	1-135787-5
10.72	5.97	27.51	10.72	12.55	8.36	33.32	25.25	39.14	PLUG	15	2	MDE308G-15P2-001	1-135787-3
10.72	5.97	19.28	10.72	12.55	8.36	24.99	16.92	30.81	PLUG	09	1	MDE308G-9P2-001	1-135787-1
10.82	5.84	55.32	13.56	15.37	11.20	61.11	52.81	66.93	PLUG WITH PIN CONTACTS	50	5	MDE308G-50P2	135787-9
10.82	5.84	57.71	10.72	12.55	8.36	63.50	55.42	69.32	PLUG WITH PIN CONTACTS	37	4	MDE308G-37P2	135787-7
10.82	5.84	41.30	10.72	12.55	8.36	47.04	38.96	53.04	PLUG WITH PIN CONTACTS	25	3	MDE308G-25P2	135787-5
10.72	5.97	27.51	10.72	12.55	8.36	33.32	25.25	39.14	PLUG WITH PIN CONTACTS	15	2	MDE308G-15P2	135787-3
10.72	5.97	19.28	10.72	12.55	8.36	24.99	16.92	30.81	PLUG WITH PIN CONTACTS	09	1	MDE308G-9P2	135787-1
M±0.25	K±0.13	G±0.25	H±0.25	E±0.38	D±0.13	C±0.13	B±0.13	A±0.38	DESCRIPTION	Nb POS.	SIZE	OLD P/N	P/N 2
												STANDARD MOUNT	

SEE NOTES ON LAST SHEET

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DIMENSIONS:
mm

MATERIAL

NOTE 3

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.13
1 PLC ±0.13
2 PLC ±0.13
3 PLC ±
4 PLC ±
ANGLES ±
FINISH

NOTE 4

DWN BUON B. 17NOV1998
CHK LOUDIEUX G. 17NOV1998
APVD FURIO M. 17NOV1998

PRODUCT SPEC
APPLICATION SPEC
NOTE 7
WEIGHT
CUSTOMER DRAWING

TE Connectivity

NAME
SEALED SUB D CONNECTOR
MDE - SERIES

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-135787

RESTRICTED TO
-

SCALE 2:1

SHEET 2 OF 7

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-		SEE SHEET 1	-	-	-

RECEPTACLE-MDG TYPE

SCALE 1:1

SECTION A-A

2 HOLES Ø3.05±0.127

10.90	6.17	55.32	13.56	15.37	10.74	61.11	52.43	66.93	RECEPTACLE	50	5	MDG308G-50S2-001	4-135787-0
10.90	6.17	57.71	10.72	12.55	7.90	63.50	54.84	69.32	RECEPTACLE	37	4	MDG308G-37S2-001	3-135787-8
10.90	6.17	41.30	10.72	12.55	7.90	47.04	38.38	53.04	RECEPTACLE	25	3	MDG308G-25S2-001	3-135787-6
10.90	6.17	27.51	10.72	12.55	7.90	33.32	24.66	39.14	RECEPTACLE	15	2	MDG308G-15S2-001	3-135787-4
10.90	6.17	19.28	10.72	12.55	7.90	24.99	16.33	30.81	RECEPTACLE	09	1	MDG308G-9S2-001	3-135787-2
10.90	6.17	55.32	13.56	15.37	10.74	61.11	52.43	66.93	RECEPTACLE WITH SOCKET CONTACTS	50	5	MDG308G-50S2	3-135787-0
10.90	6.17	57.71	10.72	12.55	7.90	63.50	54.84	69.32	RECEPTACLE WITH SOCKET CONTACTS	37	4	MDG308G-37S2	2-135787-8
10.90	6.17	41.30	10.72	12.55	7.90	47.04	38.38	53.04	RECEPTACLE WITH SOCKET CONTACTS	25	3	MDG308G-25S2	2-135787-6
10.90	6.17	27.51	10.72	12.55	7.90	33.32	24.66	39.14	RECEPTACLE WITH SOCKET CONTACTS	15	2	MDG308G-15S2	2-135787-4
10.90	6.17	19.28	10.72	12.55	7.90	24.99	16.33	30.81	RECEPTACLE WITH SOCKET CONTACTS	09	1	MDG308G-9S2	2-135787-2
M±0.25	K±0.13	G±0.25	H±0.25	E±0.38	D±0.13	C±0.13	B±0.13	A±0.38	DESCRIPTION	Nb POS.	SIZE	OLD P/N	P/N 2
												STANDARD MOUNT	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

MATERIAL

NOTE 3

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.13
1 PLC ±0.13
2 PLC ±0.13
3 PLC ±
4 PLC ±
ANGLES ±
FINISH ±1

NOTE 4

DWN BUON B. 17NOV1998
CHK LOUDIEUX G. 17NOV1998
APVD FURIO M. 17NOV1998

PRODUCT SPEC -
APPLICATION SPEC NOTE 7
WEIGHT -
CUSTOMER DRAWING

TE Connectivity

NAME

SEALED SUB D CONNECTOR
MDE - SERIES

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A200779

C-135787

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SCALE 2:1

SHEET 3 OF 7

REV D

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-		SEE SHEET 1	-	-	-

RECEPTACLE-MD308GA TYPE

SCALE 1:1

SECTION A - A

2xM3 THREADS

Ø5.5

H

G

A

A

2.8

10.90	6.17	55.32	13.56	15.37	10.74	61.11	52.43	66.93	RECEPTACLE	50	5	MD308GA-50S2-001	5-135787-1
10.90	6.17	57.71	10.72	12.55	7.90	63.50	54.84	69.32	RECEPTACLE	37	4	MD308GA-37S2-001	5-135787-0
10.90	6.17	41.30	10.72	12.55	7.90	47.04	38.38	53.04	RECEPTACLE	25	3	MD308GA-25S2-001	4-135787-9
10.90	6.17	27.51	10.72	12.55	7.90	33.32	24.66	39.14	RECEPTACLE	15	2	MD308GA-15S2-001	4-135787-8
10.90	6.17	19.28	10.72	12.55	7.90	24.99	16.33	30.81	RECEPTACLE	09	1	MD308GA-9S2-001	4-135787-7
10.90	6.17	58.47	15.14	16.97	12.32	63.65	55.60	69.32	RECEPTACLE, HIGH DENSITY	104	6	MD308GA-66104S2-001	4-135787-6
10.90	6.17	55.32	13.56	15.37	10.74	61.11	52.43	66.93	RECEPTACLE, HIGH DENSITY	78	5	MD308GA-5078S2-001	4-135787-5
10.90	6.17	57.71	10.72	12.55	7.90	63.50	54.84	69.32	RECEPTACLE, HIGH DENSITY	62	4	MD308GA-3762S2-001	5-135787-4
10.90	6.17	41.30	10.72	12.55	7.90	47.04	38.38	53.04	RECEPTACLE, HIGH DENSITY	44	3	MD308GA-2544S2-001	4-135787-4
10.90	6.17	27.51	10.72	12.55	7.90	33.32	24.66	39.14	RECEPTACLE, HIGH DENSITY	26	2	MD308GA-1526S2-001	4-135787-3
10.90	6.17	19.28	10.72	12.55	7.90	24.99	16.33	30.81	RECEPTACLE, HIGH DENSITY	15	1	MD308GA-915S2-001	5-135787-5
M±0.25	K±0.13	G±0.25	H±0.25	E±0.38	D±0.13	C±0.13	B±0.13	A±0.38	DESCRIPTION	Nb POS.	SIZE	OLD P/N	P/N 2
												THEADED INSERTS MOUNT	

SEE NOTES ON LAST SHEET

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DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.13

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3 PLC ±

4 PLC ±

ANGLES ±1

FINISH

NOTE 3

DWN BUON B. 17NOV1998

CHK LOUDIEUX G. 17NOV1998

APVD FURIO M. 17NOV1998

PRODUCT SPEC

APPLICATION SPEC

NOTE 7

WEIGHT

CUSTOMER DRAWING

TE Connectivity

NAME

SEALED SUB D CONNECTOR

MDE - SERIES

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A200779

C-135787

SCALE 2:1

SHEET 5 OF 7

REV D

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P	LTR	DESCRIPTION	DATE	DWN	APVD
-		SEE SHEET 1	-	-	-

MATING FACE OF PLUG SHOWN

CONFIGURATIONS FOR #20 CONTACTS

9 POSITION MS18273-1
SHELL SIZE 1

15 POSITION MS18274-1
SHELL SIZE 2

25 POSITION MS18275-1
SHELL SIZE 3

37 POSITION MS18276-1
SHELL SIZE 4

50 POSITION MS18277-1
SHELL SIZE 5

CONFIGURATIONS FOR #22 CONTACTS

15 POSITION MS18273-2
SHELL SIZE 1

26 POSITION MS18274-2
SHELL SIZE 2

44 POSITION MS18275-2
SHELL SIZE 3

62 POSITION MS18276-2
SHELL SIZE 4

78 POSITION MS18277-2
SHELL SIZE 5

104 POSITION MS14004-1
SHELL SIZE 6

1 THIS CONNECTOR MEETS THE REQUIREMENTS OF MIL-DTL-24308

2 PART NUMBER FOR ORDERING

3- MATERIALS :
SHELL : STEEL,CD PLATED
HOUSING : PBT,GLASS FILLED,UL94VO
RETAINING CLIP : STAINLESS STEEL
GROMMET AND INTERFACIAL SEAL : FLUROSILICONE ELASTOMER
SEALING COMPOUND : RTV
CONTACT:COPPER ALLOY,GOLD PLATED OVER NICKEL

4- CABLES EXTERNAL DIAMETER FOR CONTACTS #20 : Ø0.85 to Ø1.83
CABLES EXTERNAL DIAMETER FOR CONTACTS #22 : Ø1.37 MAX

5- CONNECTOR MARKING:
. MANUFACTURER IDENTIFICATION
. PART NUMBER
. DATE-CODE

6- INSERT ARRANGEMENT PER MIL-DTL-24308

7- FOR CONTACT CRIMPING INSTRUCTION SHEET REFER TO SPEC IS 7516
FOR CONTACT INSTALATION/ REMOVAL INSTRUCTION SHEET REFER TO SPEC IS 7508

8- #20 SOCKET CRIMP CONTACT P/N: 205090-1
#20 PIN CRIMP CONTACT P/N: 205089-1

#22D SOCKET CRIMP CONTACT P/N: 204351-1
#22D PIN CRIMP CONTACT P/N: 204370-2

9- INSERTION/EXTRACTION TOOL P/N: 91067-2
INSERTION/EXTRACTION TOOL P/N: 91067-1

10- CRIMP WITH HAND TOOL: 601966-1 + DIE INSERT: 601966-4
CRIMP WITH HAND TOOL: M22520/02-01 + POSITIONNER : M22520/02-06

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DWN BUON B. 17NOV1998
CHK LOUDIEUX G. 17NOV1998
APVD FURIO M. 17NOV1998

DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.13
1 PLC ±0.13
2 PLC ±0.13
3 PLC ±
4 PLC ±
ANGLES ±
FINISH

MATERIAL

NOTE 3

NOTE 4

CUSTOMER DRAWING

TE Connectivity

NAME SEALED SUB D CONNECTOR
MDE - SERIES

SIZE A2
CAGE CODE 00779
DRAWING NO C-135787

RESTRICTED TO

SCALE 2:1
SHEET 7 OF 7
REV D

1471-9 (3/11)