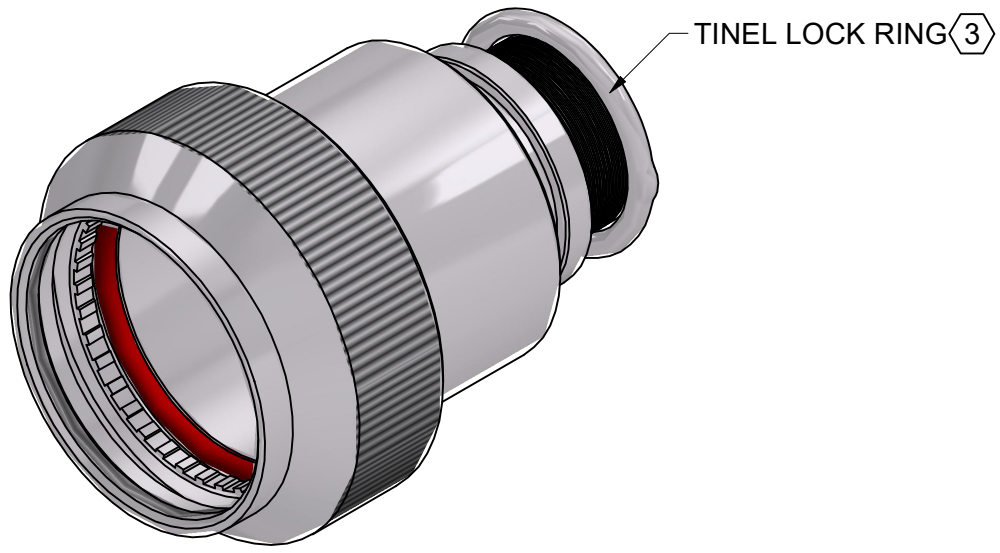


CODE 61 - TINEL-LOCK BACKSHELL

TXR61AB00-1608AI-S

SERIES
- TXR: RING INCLUDED (SEE RING OPTION)
- TX: RING NOT INCLUDED

CONNECTOR INTERFACE

MATERIAL
- REFER TO CH00-0250-008

FINISH
- REFER TO CH00-0250-008

ANGLE

ORDER NUMBER (TABLE 1)

ENTRY SIZE (TABLE 2)

RING OPTION
- AI - TO SUIT SINGLE BRAID
- BI - TO SUIT DOUBLE BRAID
- FOR TX, LEAVE BLANK

MODIFICATION CODE
- REFER TO CH00-0250-008 ⟨2⟩

NOTES:

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.

⟨2⟩ FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-008.

⟨3⟩ SEE DRAWING TR FOR DETAIL ON TINEL-LOCK RING, RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY, ALL RINGS ARE MARKED WITH THERMOCHROMIC PAINT WHICH CHANGES COLOUR WHEN INSTALLATION TEMPERATURE IS REACHED.

4. BACKSHELL TO BE PERMANENTLY MARKED/BAGGED AND LABELLED WITH CODE IDENTIFICATION NUMBER AND PART NUMBER LESS RING DESIGNATOR. (e.g. 06090-TXR61AB00-1206). RING SHALL BEAR NO MARKING.

⟨5⟩ FOR LARGER ENTRY SIZES, A 2 PIECE BACKSHELL ASSEMBLY (TYPE 2) IS SUPPLIED.

6. BACKSHELL MATES TO MIL-C-81511, SERIES 1, 2, 3 AND 4, CLASS A, C, E, F, P AND T, M81511/1, /5, /6, /21, /23, /25, /26, /31, /32, /33, /34, /35, /36, /37, /38 /45, /46, /49, /51, /53, /55 AND /56 CONNECTORS.

⟨7⟩ THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED.

DRAWN	K.WINCZURA	DATE 24/02/2015	3RD ANGLE PROJECTION NOT TO SCALE
CHECKED	M.PAUL	24/02/2015	
APPROVED	K.SHEPPARD	20/03/2015	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0,25MM ANGULAR +/- 1°
APPROVED	H.SMITH	20/08/2015	

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
E	REVISED PER ECO-15-011999	20/08/2015	H.SMITH
F	CRN 26424	25/11/2024	R.STYLES

TE CAGE CODE: 06090
POLAMCO/TE CAGE CODE: U5792

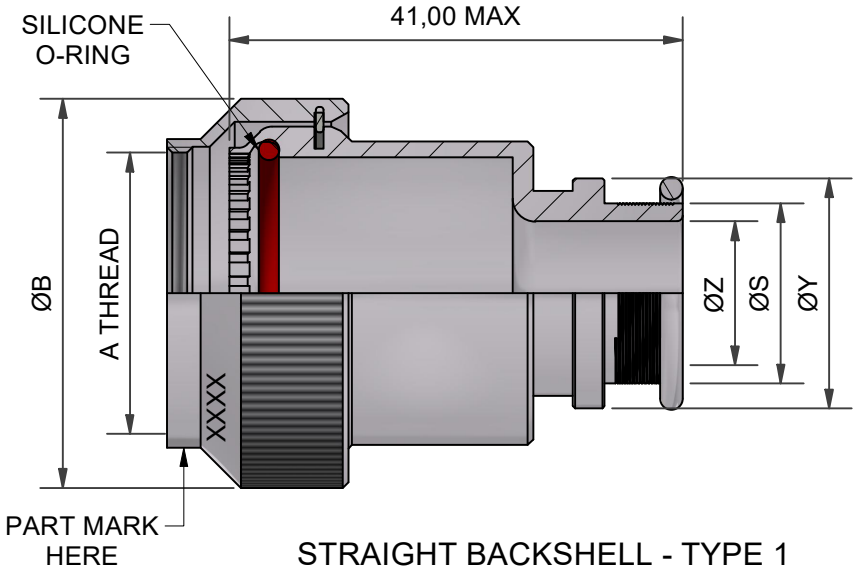
TITLE: TINEL-LOCK BACKSHELL

ASSY USED ON: MIL-DTL-81511

Polamco TE connectivity

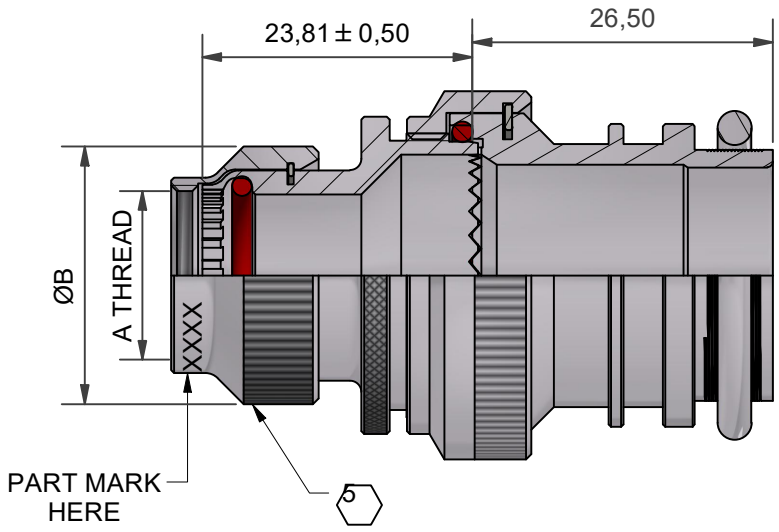
TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING AND THE INFORMATION SET FORTH HEREON AT ANY TIME. USERS SHOULD INDEPENDENTLY EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION.

DRAWING NO:	DRAWING REV:	SHT
TXR61	F	1

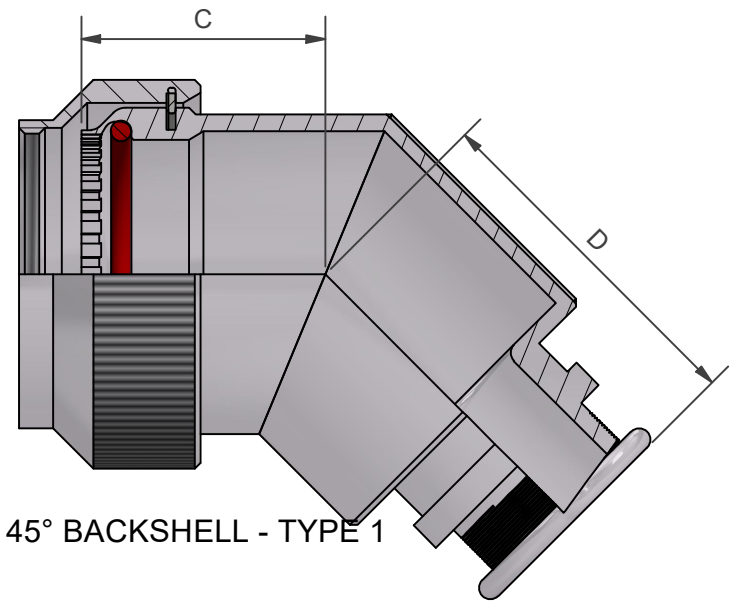


STRAIGHT BACKSHELL - TYPE 1

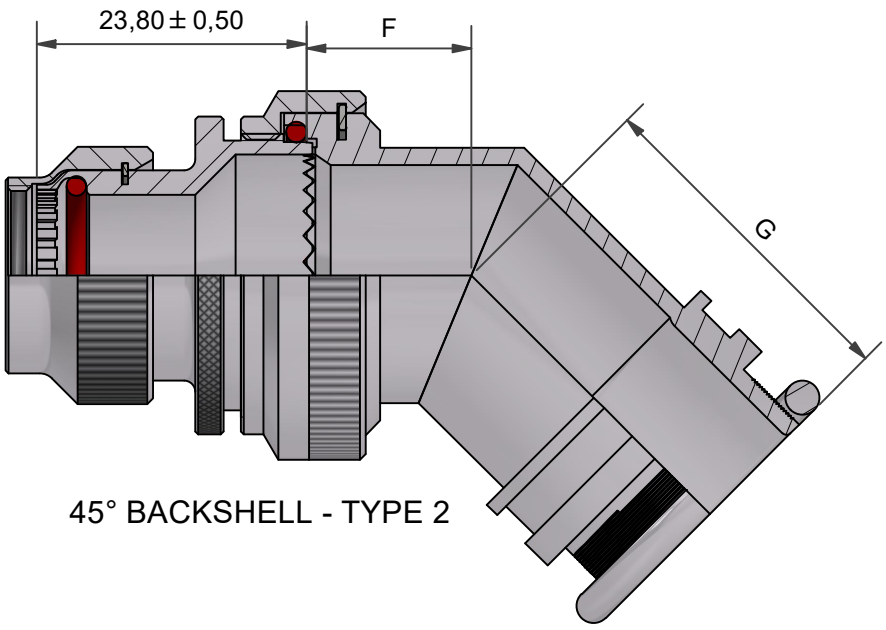
IF MAX ENTRY IS EXCEEDED BACKSHELL
WILL BE SUPPLIED AS TYPE 2



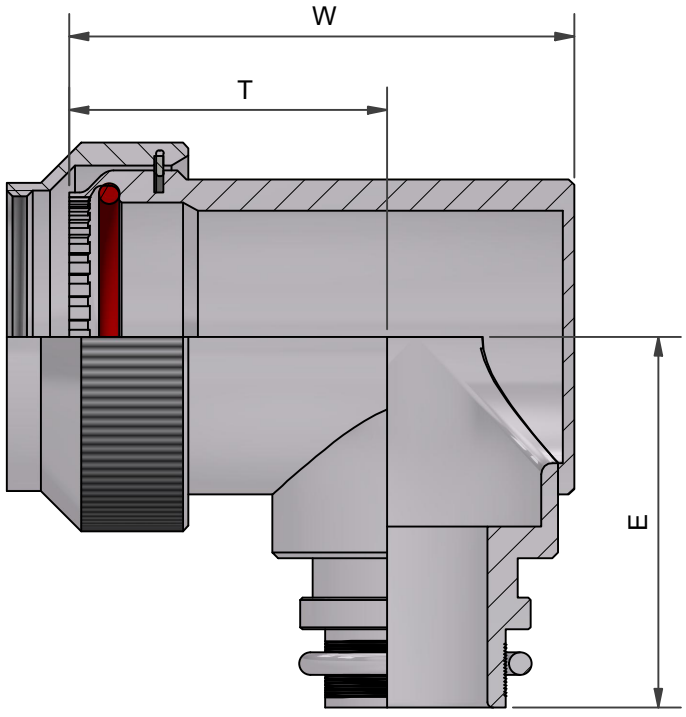
STRAIGHT BACKSHELL - TYPE 2



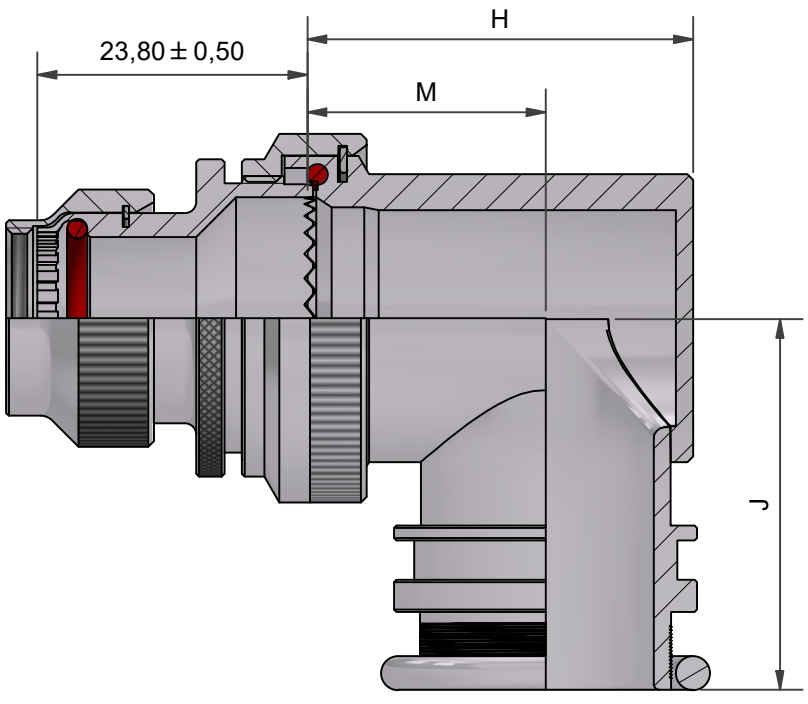
45° BACKSHELL - TYPE 1



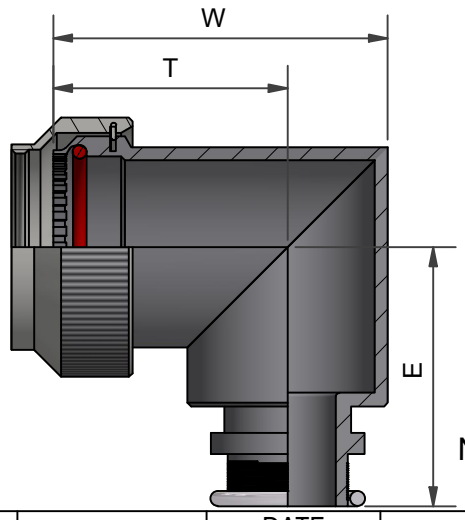
45° BACKSHELL - TYPE 2



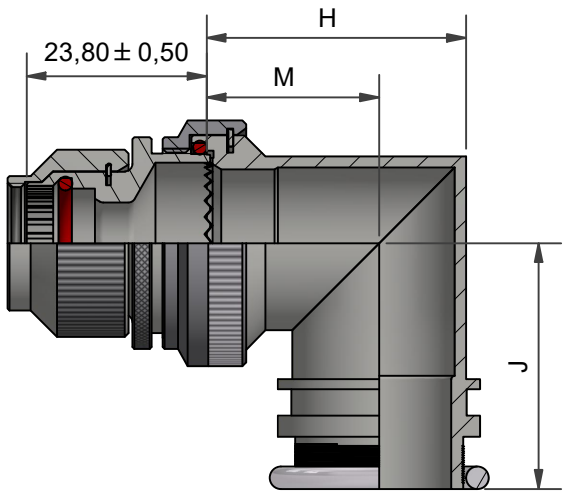
90° BACKSHELL - TYPE 1



90° BACKSHELL - TYPE 2



90° BACKSHELL - TYPE 1
STAINLESS STEEL AND
NICKEL ALUMINIUM BRONZE



90° BACKSHELL - TYPE 2
STAINLESS STEEL AND
NICKEL ALUMINIUM BRONZE

DRAWN	K.WINCZURA	DATE 24/02/2015	3RD ANGLE PROJECTION NOT TO SCALE
CHECKED	M.PAUL	24/02/2015	
APPROVED	K.SHEPPARD	20/03/2015	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES **GENERAL TOL** LINEAR +/-0,25MM ANGULAR +/- 1°
APPROVED	H.SMITH	20/08/2015	

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
E	REVISED PER ECO-15-011999	20/08/2015	H.SMITH
F	CRN 26424	25/11/2024	R.STYLES

TE CAGE CODE: 06090
POLAMCO/TE CAGE CODE: U5792

TITLE:

TINEL-LOCK BACKSHELL

ASSY USED ON:

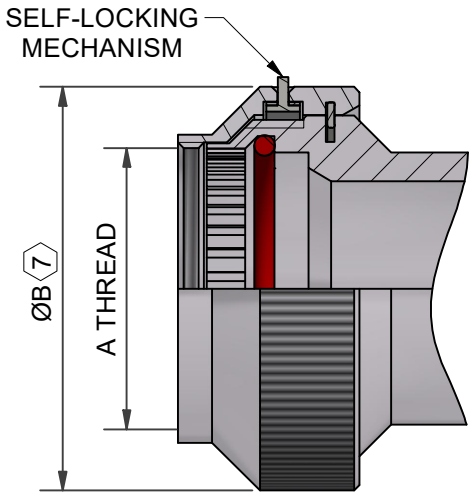
MIL-DTL-81511

Polamco
TE connectivity

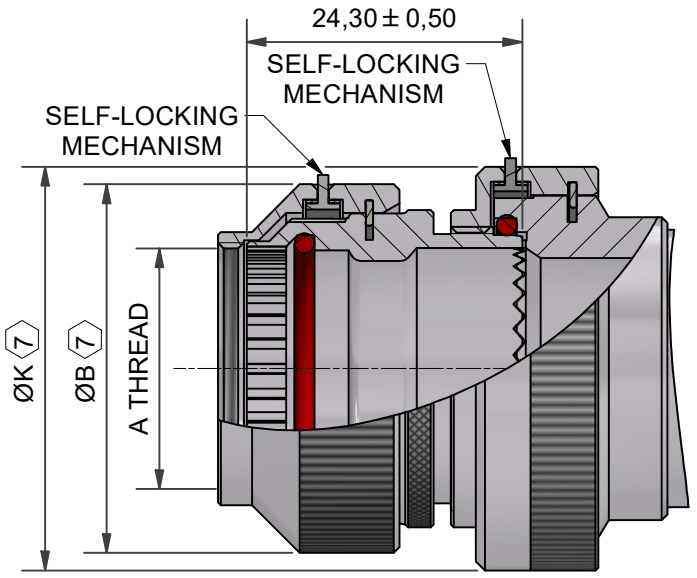
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DRAWING NO:	DRAWING REV:	SHT
TXR61	F	2

MODIFICATION S



BACKSHELL - TYPE 1



BACKSHELL - TYPE 2

TABLE 1

ORDER NO.	SHELL SIZE COM'L / MIL	A THREAD	ØB MAX	ØB MAX ⟨7⟩	MAX ENTRY	C ±0,5	D ±0,5	W ±0,5	T ±0,5	E ±0,5	THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE W ±0,5	T ±0,5	E ±0,5
08	8 / A	1/2-28UNEF	21,6	23,6	06	18,7	26,8	31,7	24,5	27,05	29,4	24,5	26,4
10	10 / B	5/8-28UNEF	24,8	26,4	08	19,0	27,5	34,0	25,3	27,95	32,4	25,3	28,2
14	14 / D	7/8-28UNEF	31,1	32,9	12	20,5	29,0	40,4	28,2	31,50	39,3	28,2	31,2
16	16 / E	1-28UNEF	34,3	36,6	14	21,2	29,7	44,0	31,0	32,70	42,4	31,0	32,9
18	18 / F	1 1/8-28UNEF	37,5	38,9	16	21,9	30,5	46,7	32,0	34,25	45,2	32,0	34,5
20	20 / G	1 1/4-28UNEF	40,6	41,9	18	22,5	30,9	49,7	33,0	35,80	47,6	33,0	36,1
22	22 / H	1 3/8-28UNEF	43,8	44,9	20	22,8	31,1	51,2	33,7	37,40	49,8	33,7	37,6
24	24 / J	1 1/2-28UNEF	47,0	48,1	22	23,7	32,1	54,7	35,5	38,90	52,8	35,5	39,1

TABLE 2

ENTRY SIZE	ØZ MIN	ØS	ØY ± 0,3	ØK MAX	ØK MAX ⟨7⟩	F ±0,5	G ±0,5	H ±0,5	M ±0,5	J ±0,5	THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE H ±0,5	M ±0,5	J ±0,5
04	6,35	9,49 +/-0,04	14,00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05	7,92	11,06 +/-0,04	15,50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06	9,53	12,66 +/-0,04	17,10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07	11,10	14,21 +/-0,07	18,70	21,0	24,6	12,5	27,5	24,0	15,5	27,95	24,3	17,2	28,2
08	12,70	15,81 +/-0,07	20,30	24,5	28,3	13,1	28,0	27,0	17,0	29,45	28,3	19,4	29,7
10	15,88	18,96 +/-0,08	23,50	29,0	32,4	13,5	29,0	31,0	19,5	31,00	31,1	21,0	31,2
12	19,05	22,14 +/-0,08	26,70	32,5	35,6	14,5	29,7	34,0	21,0	32,70	34,2	22,8	32,9
14	22,23	25,30 +/-0,08	29,80	35,5	38,5	15,5	30,5	35,0	20,0	34,25	38,5	25,3	34,5
16	25,40	28,48 +/-0,08	33,00	37,0	41,7	16,1	30,9	38,0	21,5	35,80	40,7	26,1	36,1
18	28,58	31,65 +/-0,08	36,20	40,0	43,9	16,5	31,1	42,0	24,0	37,40	43,7	27,6	37,6
20	31,75	34,83 +/-0,08	39,40	43,5	47,0	17,0	32,1	45,0	25,5	38,90	46,4	29,1	39,1
22	34,93	37,98 +/-0,08	42,50	48,5	50,0	18,5	35,3	54,5	31,0	42,00	50,0	31,0	42,0
24	38,10	41,15 +/-0,08	45,70	52,1	56,0	21,9	38,1	58,0	33,0	46,00	53,5	33,0	46,0

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CHECKED	M.PAUL	24/02/2015	
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APPROVED	H.SMITH	20/08/2015	

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
E	REVISED PER ECO-15-011999	20/08/2015	H.SMITH
F	CRN 26424	25/11/2024	R.STYLES

TE CAGE CODE: 06090
POLAMCO/TE CAGE CODE: U5792

TITLE:

TINEL-LOCK BACKSHELL

ASSY USED ON:

MIL-DTL-81511

Polamco

TE connectivity

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DRAWING NO:	DRAWING REV:	SHT
TXR61	F	3