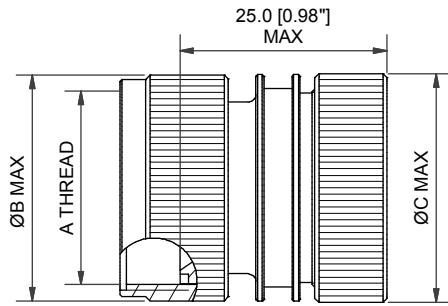
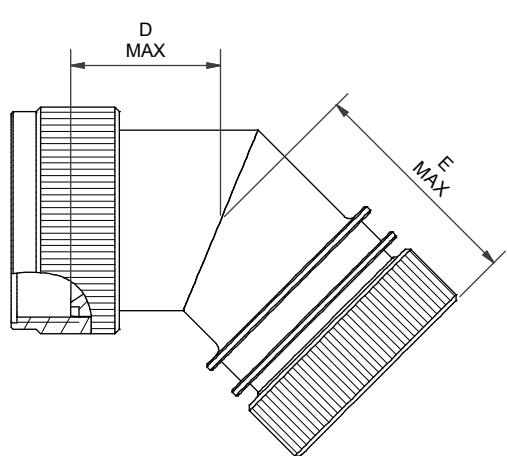
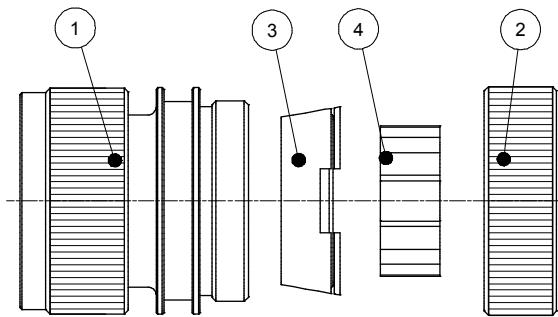


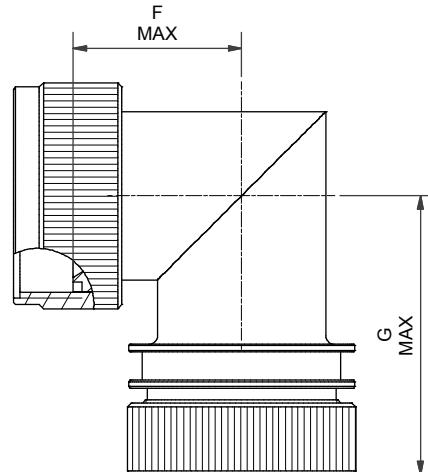
SPECIFICATION CONTROL DRAWING



STRAIGHT BODY STYLE - 00



45° BODY STYLE - 45



90° BODY STYLE - 90

DRAWN	K.KUTA-WINCZURA	DATE 28/07/2017	 3RD ANGLE PROJECTION NOT TO SCALE	TITLE: HEXASHIELD BACKSHELL FOR CODE 54 CONNECTORS, PLAIN CLAMPLING NUT	ASSY USED ON: SEE APPLICATION NOTE	 Polamco			
CHECKED		28/07/2017							
APPROVED	K.SHEPPARD	30/07/2017							
APPROVED	K.SHEPPARD	11/12/2017							
REVISIONS									
LTR	DESCRIPTION	DATE	APPROVED						
B	REVISED PER D060254	17/08/2006							
C	REVISED PER ECO-17-017923	11/12/2017	K.SHEPPARD						
TE CAGE CODE: 06090 POLAMCO/TE CAGE CODE: U5792				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: HEX54-AY-YY-YY-AYY-1-YY		
				DRG REV: C					
				SHT 1					

SPECIFICATION CONTROL DRAWING

KIT DESCRIPTION

ITEM	DESCRIPTION	MATERIAL
1	BODY ASSEMBLY	ALUMINIUM ALLOY
2	CLAMPING NUT - PLAIN	ALUMINIUM ALLOY
3	CONIC RING	ALUMINIUM ALLOY
4	STAR	ALUMINIUM ALLOY

TABLE OF DIMENSIONS

Order Number	Shell Size (see overleaf) Type A Type B	A Thread UNF/UNEF-2B	ØB MAX	ØC MAX	D MAX	E MAX	F MAX	G MAX	Ferrule Quantity		
									Std.	Opt.1	Opt.2
09	08 N/A	0.5000"-20	16.0 [0.63"]	17.5 [0.69"]	12.5 [0.49"]	25.5 [1.00"]	16.0 [0.63"]	29.0 [1.14"]	1	-	-
11	10 N/A	0.6250"-24	22.0 [0.87"]	21.5 [0.85"]	13.0 [0.51"]	26.0 [1.02"]	17.5 [0.69"]	30.5 [1.20"]	2	-	-
13	12 07	0.7500"-20	25.0 [0.98"]	22.5 [0.89"]	14.0 [0.55"]	26.5 [1.04"]	19.0 [0.75"]	32.0 [1.26"]	3	-	-
15	14 12	0.8750"-20	30.0 [1.18"]	25.5 [1.00"]	14.5 [0.57"]	27.5 [1.08"]	20.5 [0.81"]	33.5 [1.32"]	5	-	-
17	16 19	1.0000"-20	33.0 [1.30"]	28.5 [1.12"]	15.0 [0.59"]	28.0 [1.10"]	22.0 [0.87"]	35.0 [1.38"]	6	7	-
19	18 27	1.0625"-18	37.0 [1.46"]	31.5 [1.24"]	15.5 [0.61"]	28.5 [1.12"]	23.5 [0.93"]	36.5 [1.44"]	7	-	-
21	20 37	1.1875"-18	38.0 [1.50"]	35.0 [1.38"]	16.5 [0.65"]	29.0 [1.14"]	25.5 [1.00"]	38.5 [1.52"]	9	11	-
23	22 N/A	1.3125"-18	41.0 [1.61"]	38.0 [1.50"]	17.0 [0.67"]	30.0 [1.18"]	27.0 [1.06"]	40.0 [1.57"]	10	13	-
25	24 N/A	1.4375"-18	46.0 [1.81"]	41.0 [1.61"]	18.0 [0.71"]	31.0 [1.22"]	28.5 [1.12"]	41.5 [1.63"]	12	17	-
61	N/A 61	1.5000"-18	42.0 [1.65"]	41.0 [1.61"]	18.0 [0.71"]	31.0 [1.22"]	31.0 [1.22"]	41.5 [1.63"]	12	17	18

PART NUMBERING

HEX54-AC-00-21-A9-1-DS

SERIES _____

CONNECTOR INTERFACE _____

MATERIAL _____

A - ALUMINIUM ALLOY

FINISH _____

C - ELECTROLESS NICKEL TO MIL-C-26074
B - CADMIUM OLIVE DRAB OVER
ELECTROLESS NICKEL TO QQ-P416

BODY STYLE _____

00 = STRAIGHT
45 = 45°
90 = 90°

ORDER NUMBER _____

FERRULE QUANTITY CODE _____

BACK END OPTION _____

1 - PLAIN CLAMPING NUT

STAR STYLE _____

DS - DRILLED STAR (SEE NOTE 2)
OMIT FOR PLAIN STAR

DRAWN	K.KUTA-WINCZURA	DATE 28/07/2017	3RD ANGLE PROJECTION NOT TO SCALE	TITLE: HEXASHIELD BACKSHELL FOR CODE 54 CONNECTORS, PLAIN CLAMPING NUT ASSY USED ON: SEE APPLICATION NOTE	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: HEX54-AY-YY-YY-AYY-1-YY	DRG REV: C	SHT 2	 
CHECKED		28/07/2017							
APPROVED	K.SHEPPARD	30/07/2017	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL. LINEAR +/-0.25MM ANGULAR +/- 1°						
APPROVED	K.SHEPPARD	11/12/2017							
REVISIONS									
LTR	DESCRIPTION	DATE	APPROVED						
B	REVISED PER D060254	17/08/2006	K.SHEPPARD						
C	REVISED PER ECO-17-017923	11/12/2017							
TE CAGE CODE: 06090 POLAMCO/TE CAGE CODE: U5792									

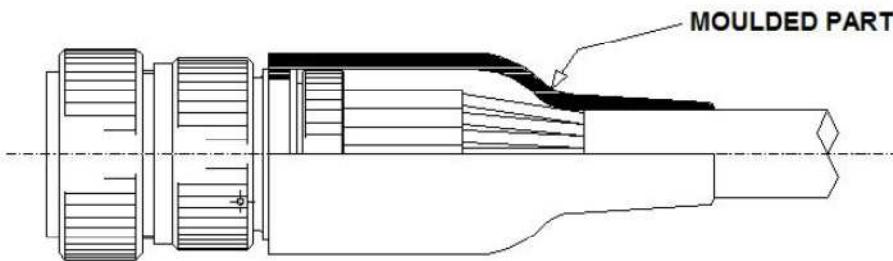
SPECIFICATION CONTROL DRAWING

APPLICATION:

- These adaptors are designed to be mounted on the following connectors:

MIL-C-26482 Series II	}	Shell Size Type A
MIL-C-83723 Series I and III		
MIL-C-5015	}	Shell Size Type B
HE312		
MIL-C-81703 Series III	}	Shell Size Type B
HE312		
DBAD		

- They are qualified to the Raychem specification RB-114, when installed on metallic Mil-Specification circular connectors only.
- They are designed primarily for open wire bundle installation but are also designed to accept Raychem heat shrink moulded parts where strain relief is required - see illustration.



- Use in conjunction with the ferrules HET-A-0XX, which are purchased separately. Refer to HET-A-0XX S.C.D. for relevant selection details.

INSTALLATION:

- See Installation Procedure RPIP-696-04.

PACKAGING:

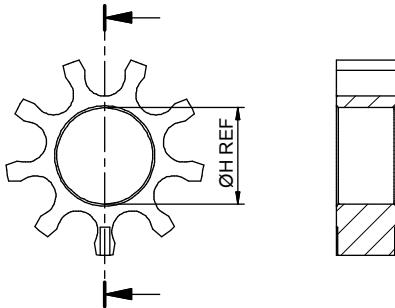
- All components are supplied in a plastic bag.

DRAWN	K.KUTA-WINCZURA	DATE 28/07/2017		3RD ANGLE PROJECTION NOT TO SCALE	TITLE: HEXASHIELD BACKSHELL FOR CODE 54 CONNECTORS, PLAIN CLAMPLING NUT		
CHECKED		28/07/2017					
APPROVED	K.SHEPPARD	30/07/2017		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL. LINEAR +/-0.25MM ANGULAR +/- 1°			
APPROVED	K.SHEPPARD	11/12/2017					
REVISIONS							
LTR	DESCRIPTION	DATE	APPROVED		ASSY USED ON:		
B	REVISED PER D060254	17/08/2006	K.SHEPPARD		SEE APPLICATION NOTE		
C	REVISED PER ECO-17-017923	11/12/2017	K.SHEPPARD				
TE CAGE CODE: 06090 POLAMCO/TE CAGE CODE: U5792				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: HEX54-AY-YY-YY-AYY-1-YY	DRG REV: C	SHT 3

SPECIFICATION CONTROL DRAWING

NOTES!

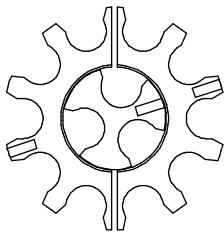
1. Item 4 - Star - is not supplied with Hexashield Order Number 09.
2. The DS option, illustrated below, is for a Drilled Star, which is available on sizes 15 to 61 when the standard ferrule quantity is selected, and sizes 25 and 61 when the optional ferrule quantity is selected. This option is to allow unshielded wires to pass through the assembly.



STAR SIZE	15	17	19	21	23	25 (Std.)	25 (Opt.1)	61 (Std.)	61 (Opt.1)	61 (Opt.2)
ØH REF	3.0 [0.12"]	6.0 [0.24"]	9.0 [0.35"]	12.0 [0.47"]	15.0 [0.59"]	18.0 [0.71"]	3.0 [0.12"]	18.0 [0.71"]	3.0 [0.12"]	6.0 [0.24"]

3. Where the ferrule quantities required are standard, the item 4 - Star - is also standard. If the optional quantity is selected, then 2 items 4 will be supplied - one "split" and the other one standard. See below for illustration.

"SPLIT" STAR



EXAMPLE: FERRULE QUANTITY CODE -A13
-A13 = -A10 SPLIT RING STAR + -A3 STANDARD STAR

4. Assembly is to be permanently marked with Code Identity Number and Part Number.
(e.g. 06090 HEX54-AB-00-21-A9-1)

DRAWN	K.KUTA-WINCZURA	DATE 28/07/2017	 3RD ANGLE PROJECTION NOT TO SCALE UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL. LINEAR +/-0.25MM ANGULAR +/- 1°	TITLE: HEXASHIELD BACKSHELL FOR CODE 54 CONNECTORS, PLAIN CLAMPLING NUT		 Polamco 
CHECKED		28/07/2017				
APPROVED	K.SHEPPARD	30/07/2017				
APPROVED	K.SHEPPARD	11/12/2017				
REVISIONS LTR DESCRIPTION DATE APPROVED B REVISED PER D060254 17/08/2006 K.SHEPPARD C REVISED PER ECO-17-017923 11/12/2017 K.SHEPPARD				ASSY USED ON: SEE APPLICATION NOTE 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: HEX54-AY-YY-YY-AYY-1-YY	DRG REV:	SHT
				C	4	

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[HEX54-AB-45-23-A10-1-DS](#) [HEX54-AB-00-09-A1-1](#) [HEX54-AB-45-15-A5-1](#)