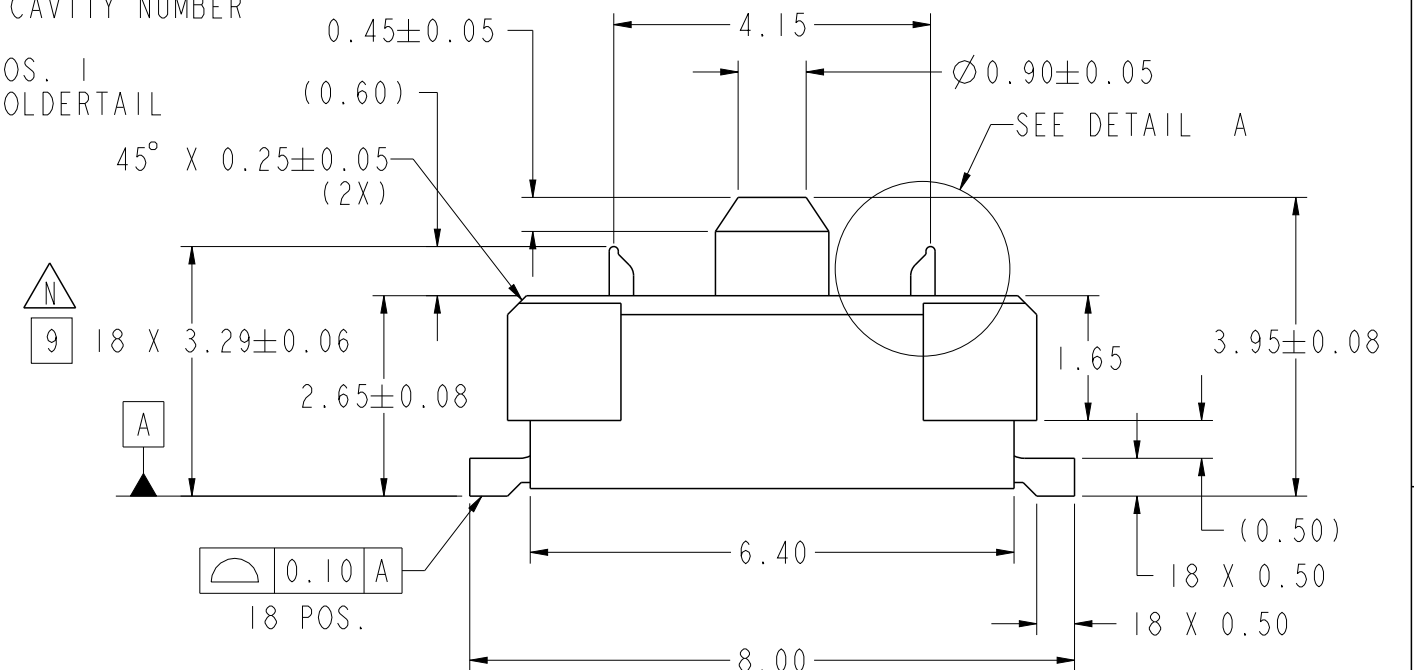
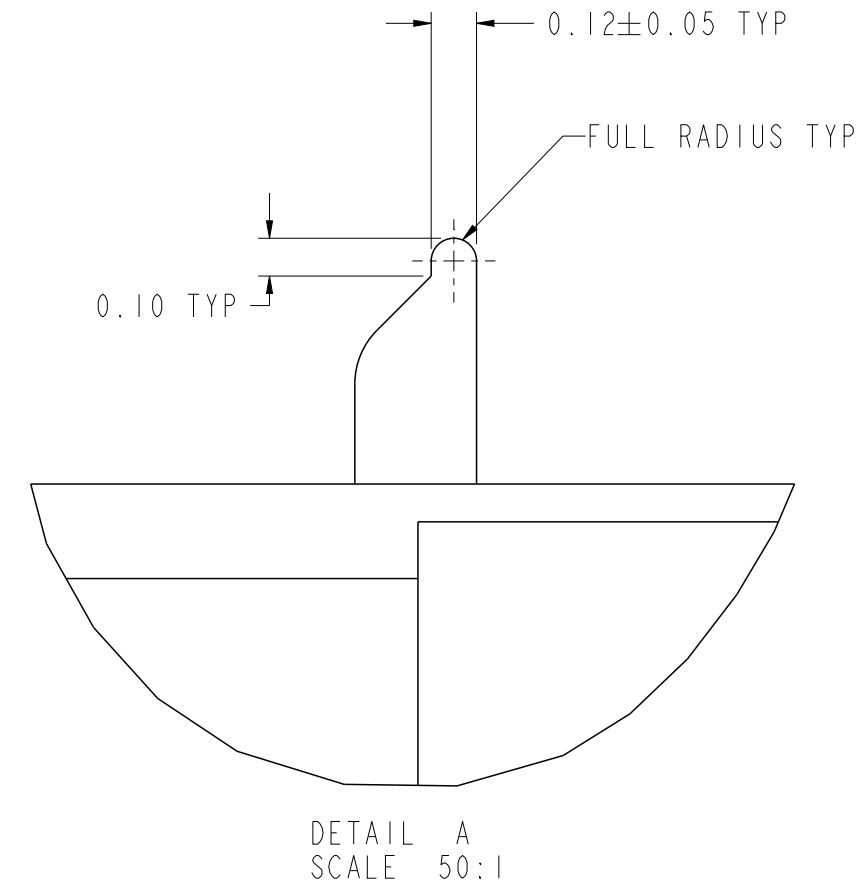
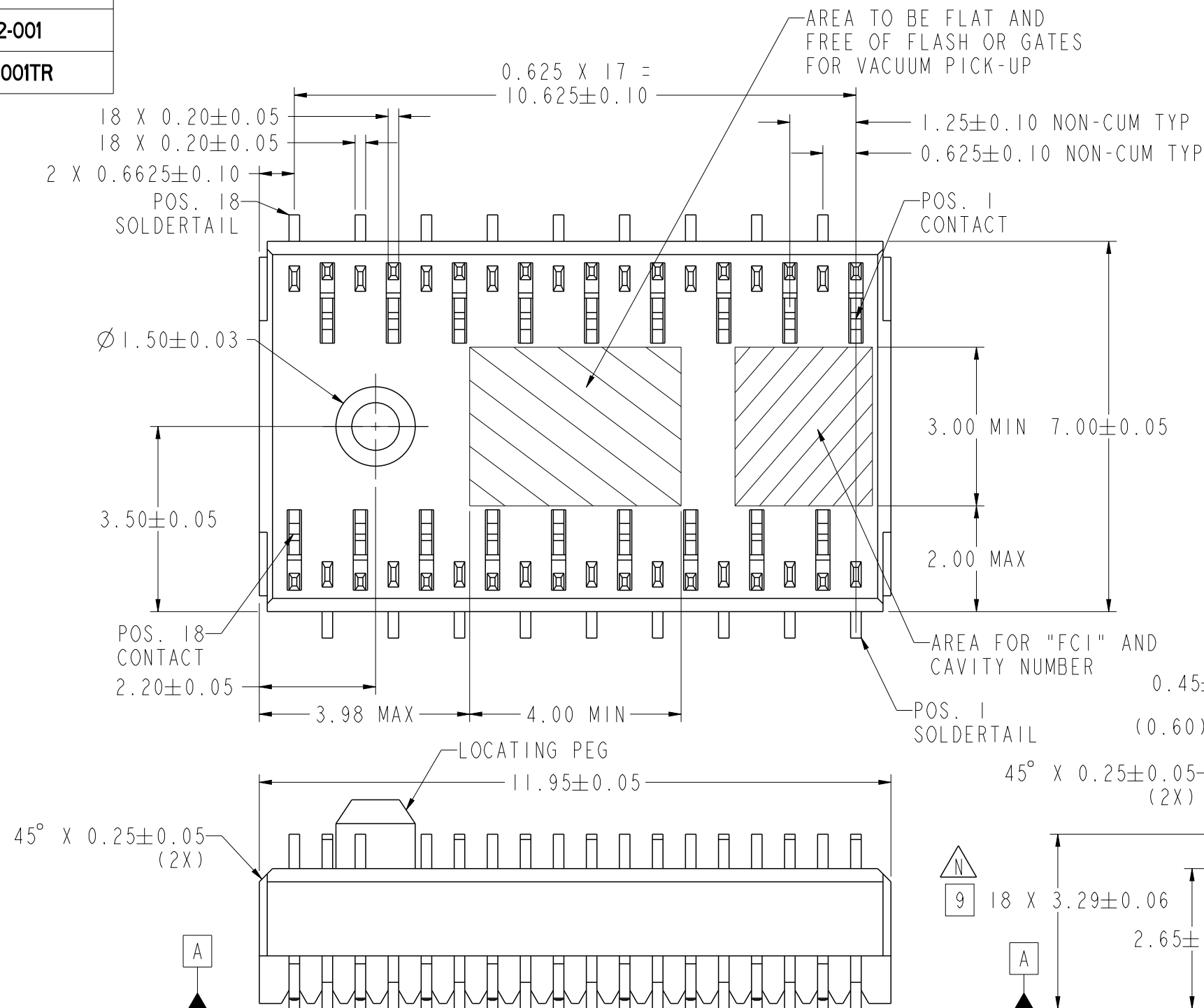


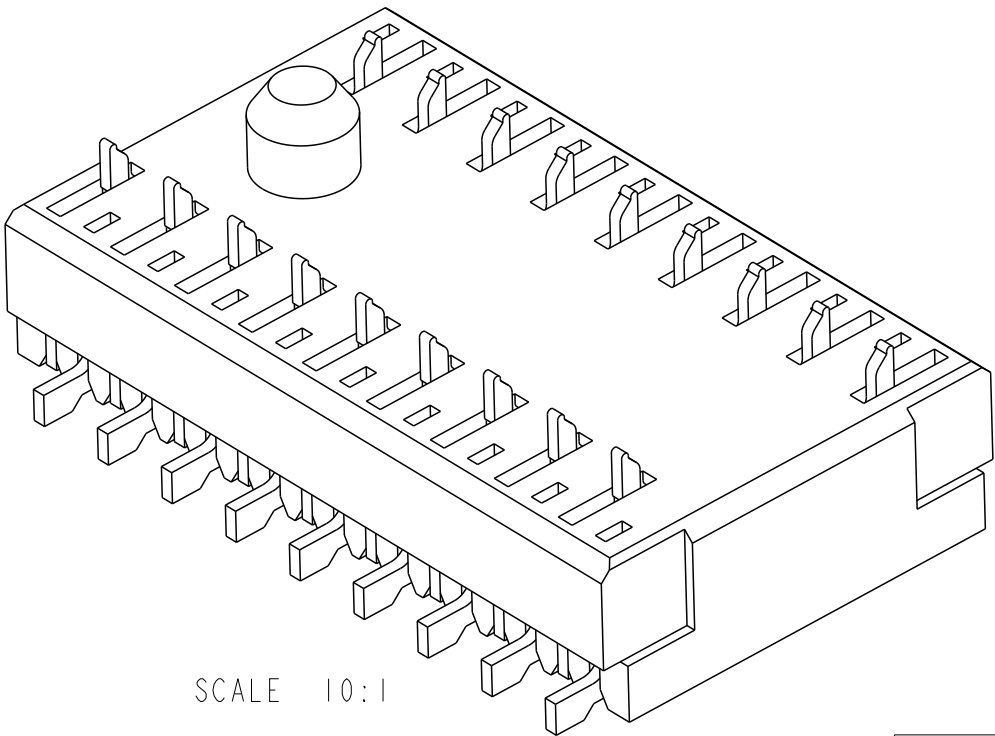
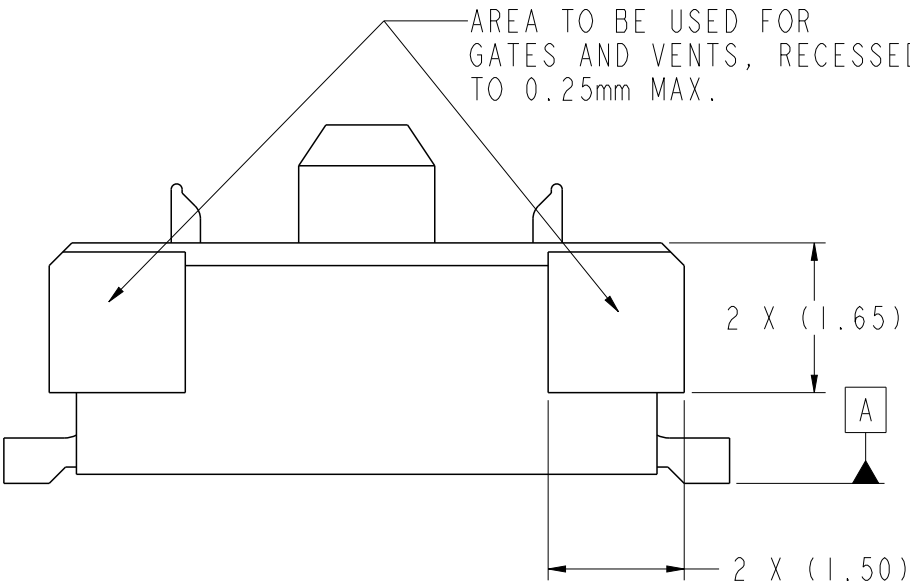
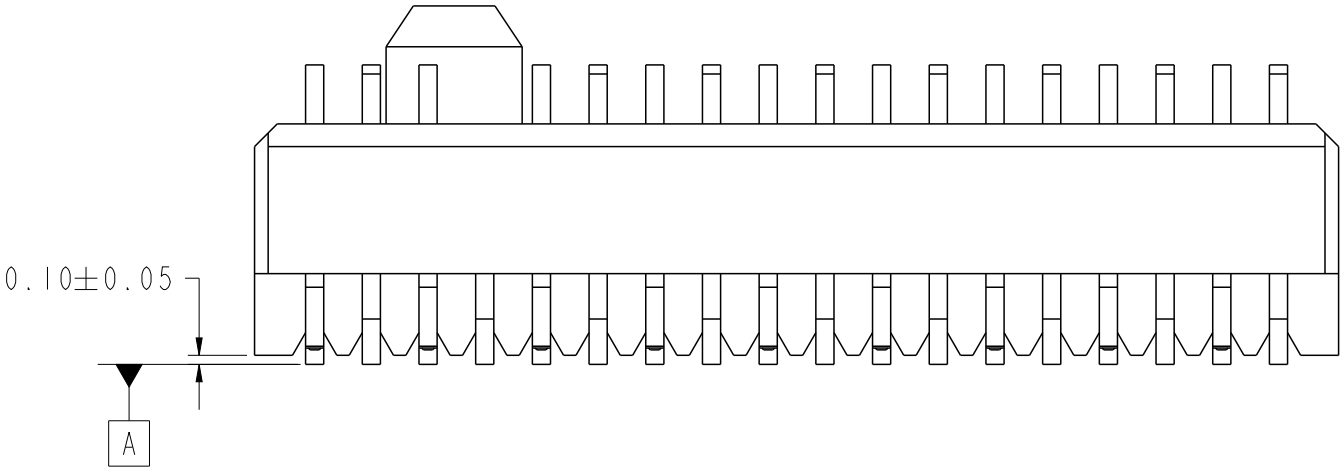
PRODUCT NO.
(SEE TABLE ON PAGE 7 FOR DETAILS)
10007042-001
10007042-001TR



spec ref				dr	wcadmin	2005/02/21	projection		MM		size	A3	scale	15:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Dennis Goh	2013/11/21					ecn no	ELX-S-16317-1		
				chr	Soon-Hoe Thio	2013/12/17								
				appr	Chen-Hong Tan	2013/12/25							product family	rel level
surface ✓ ASME Y14.5	linear	0.X	±0.2		title	NEPTUNE/MERCURY COMPRESSION CONNECTOR (1.25P)	dwg no	10007042	rev	N				
		0.XX	±0.10											
		0.XXX	±0.050											
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw			sheet 1 of 7					

PRODUCT NO.
(SEE TABLE ON PAGE 7 FOR DETAILS)
10007042-001
10007042-001TR

LOWER HOUSING CONFIGURATION
(DETAILS APPLY TO BOTH ENDS)



spec ref				dr	wcadmin	2005/02/21	projection 	MM 	size	A3	scale	4:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Dennis Goh	2013/11/21			ecn no	ELX-S-16317-1		
ASME Y14.5				chr	Soon-Hoe Thio	2013/12/17			rel level			Released
-				appr	Chen-Hong Tan	2013/12/25	product family					
surface 	linear	0.X	±0.2		title NEPTUNE / MERCURY COMPRESSION CONNECTOR (1.25P)			dwg no	10007042		rev	N
		0.XX	±0.10									
		0.XXX	±0.050									
	ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.		Product - Customer Drw			sheet 2 of 7	



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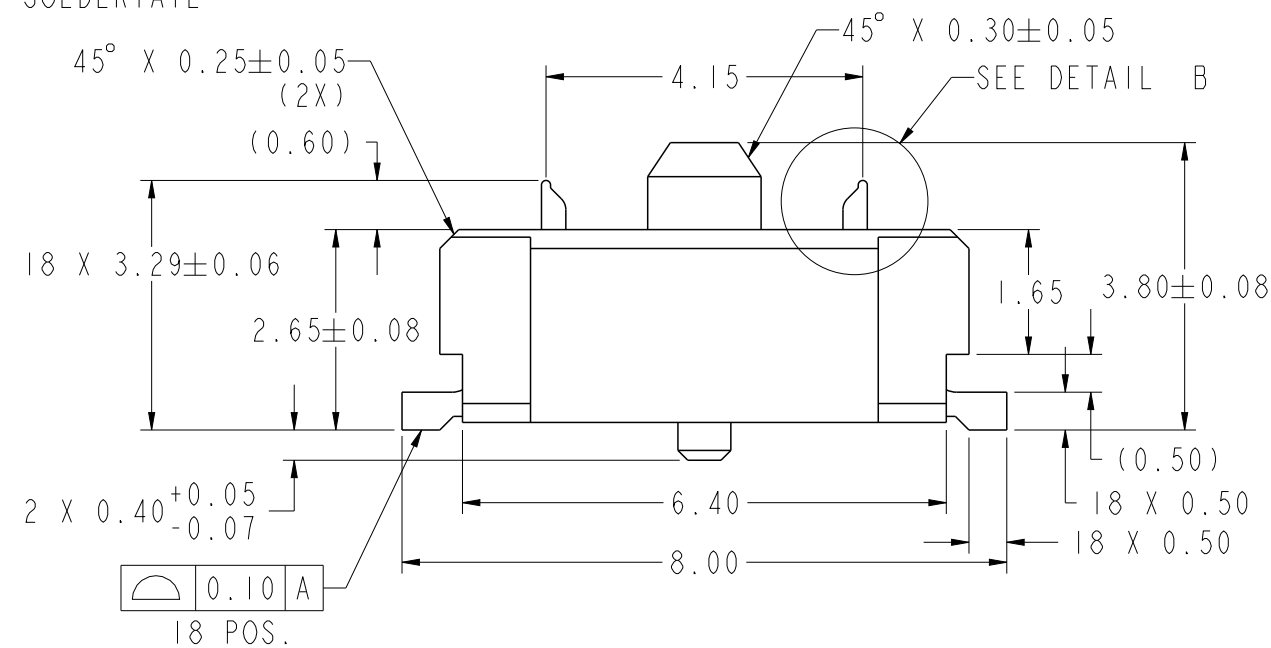
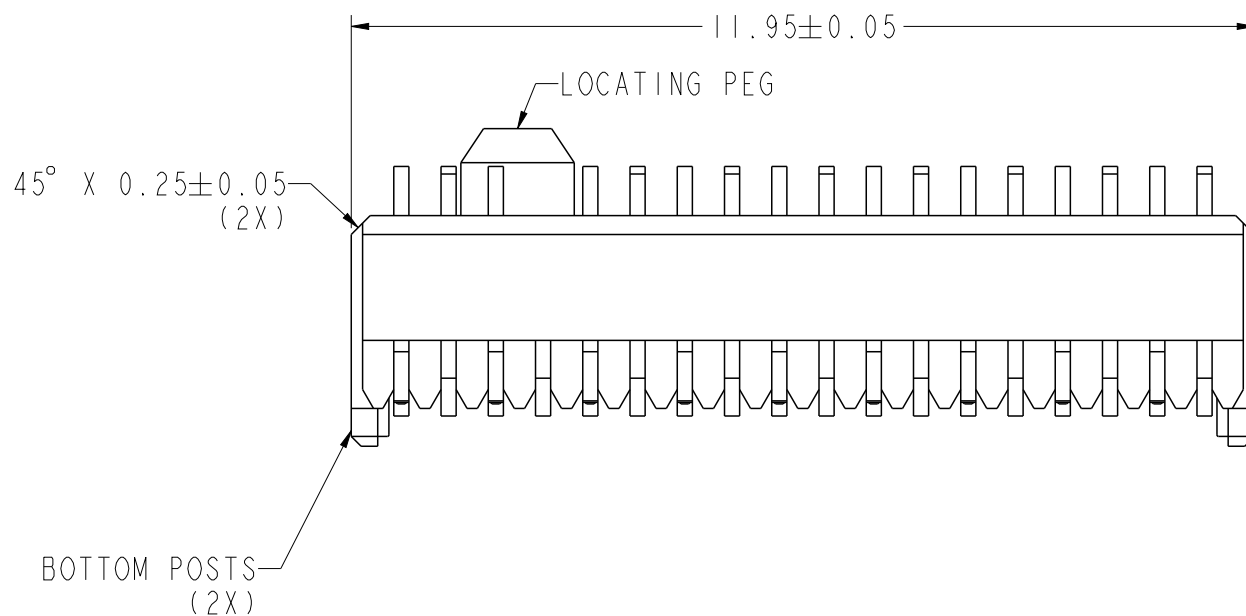
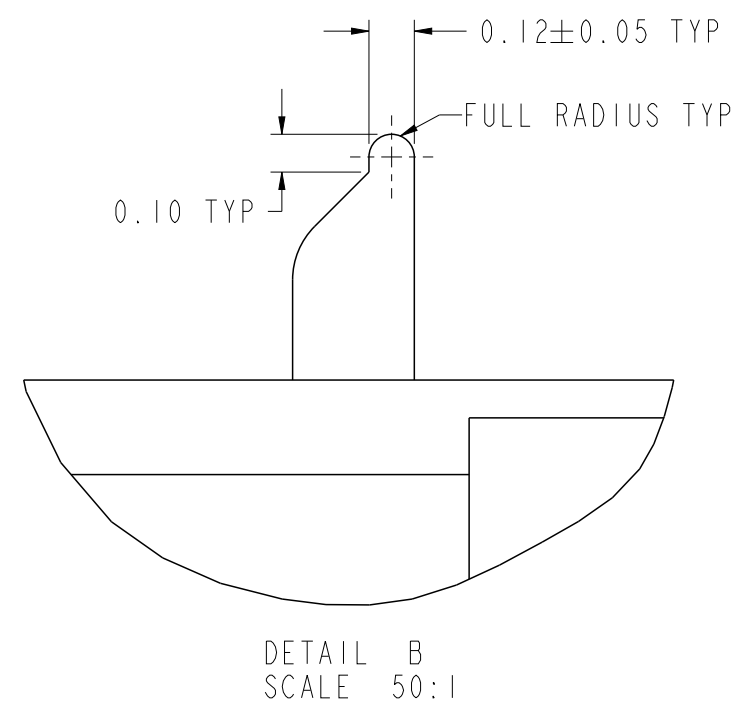
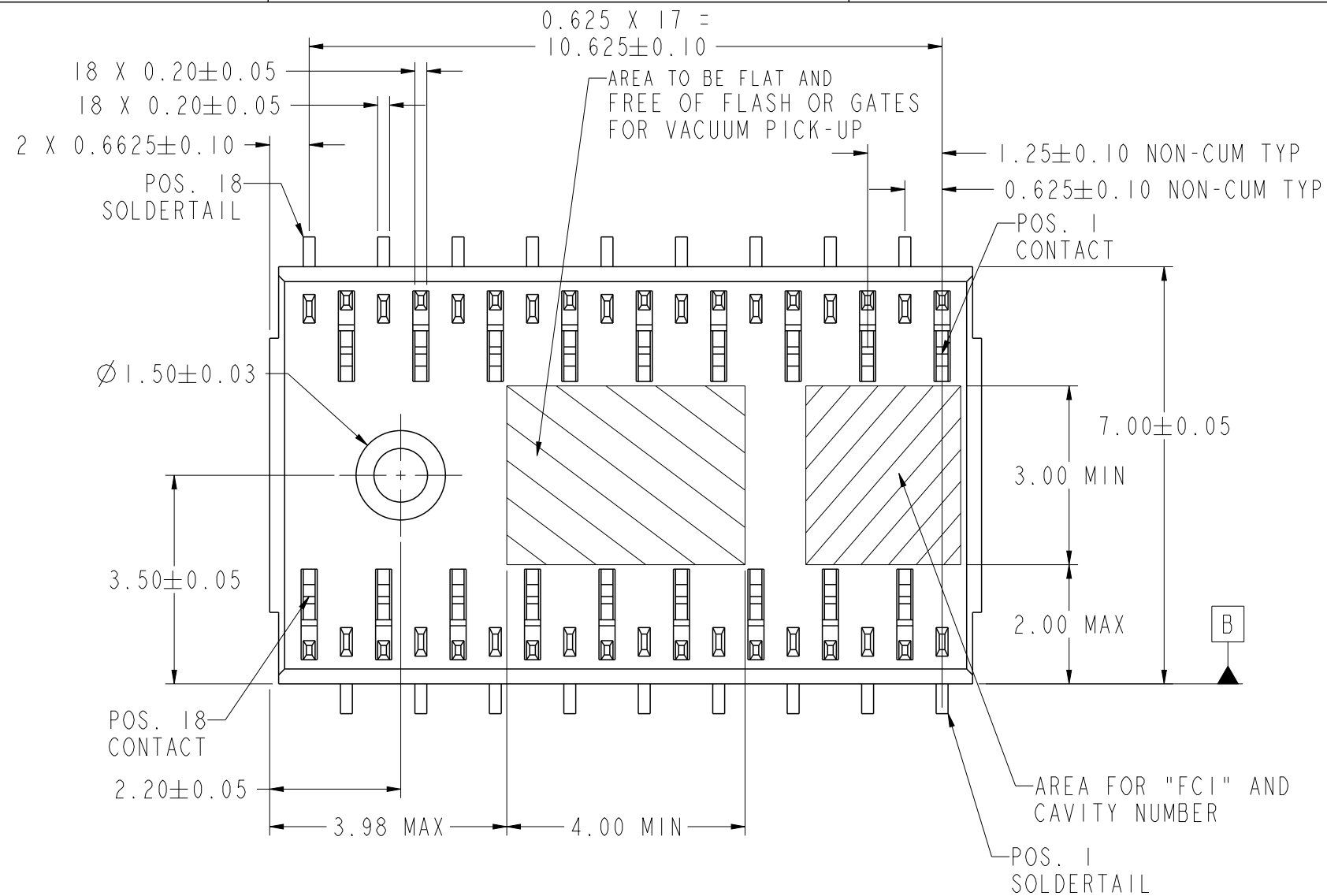
A

B

C

D

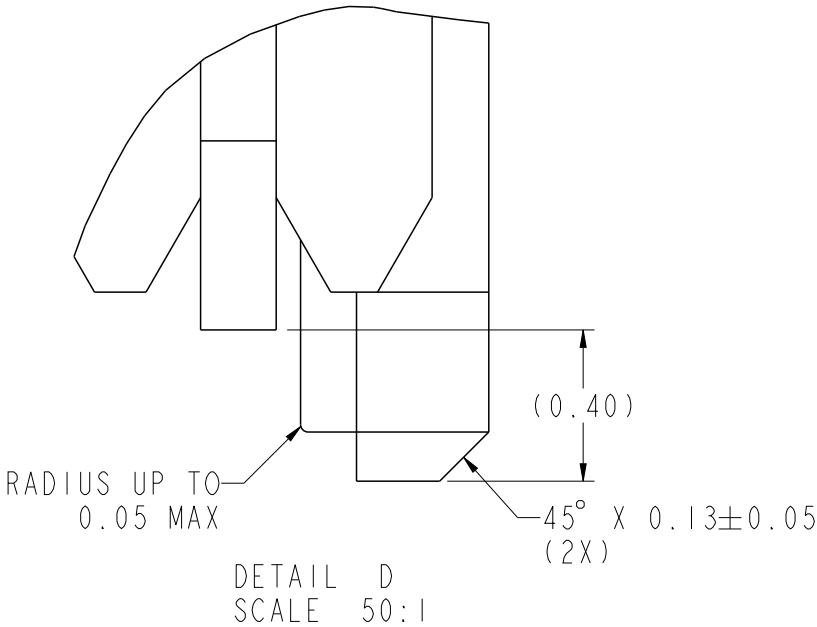
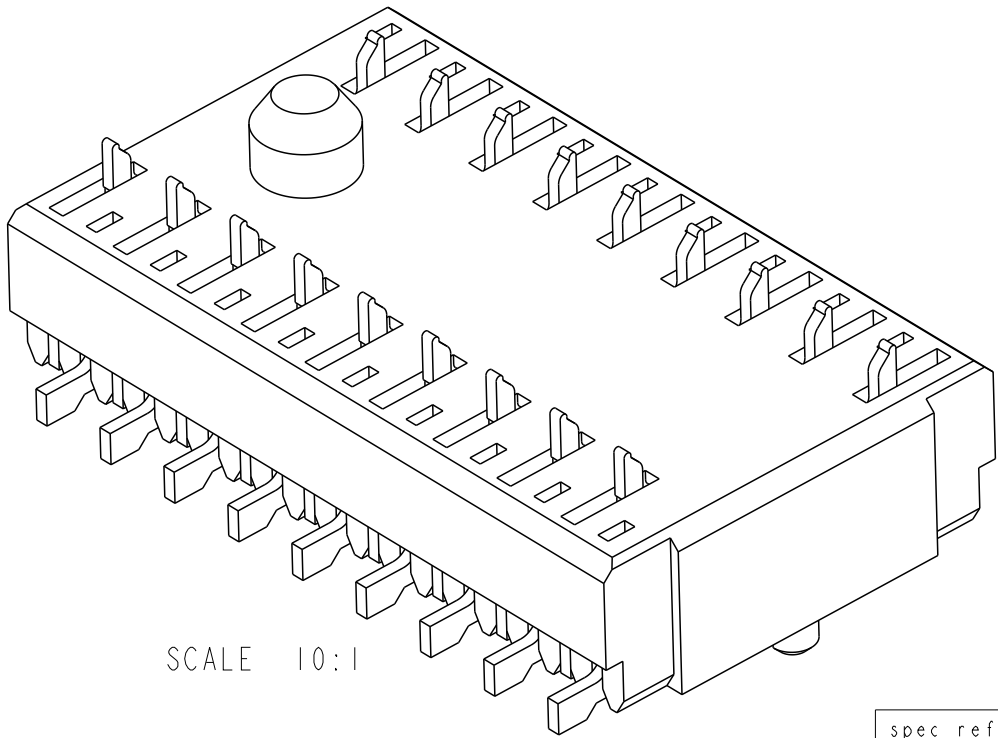
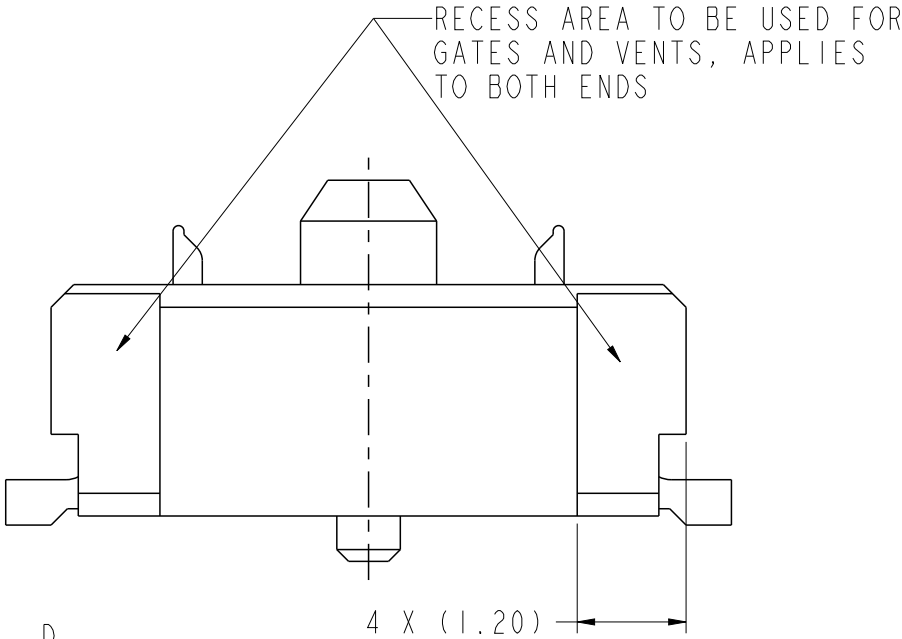
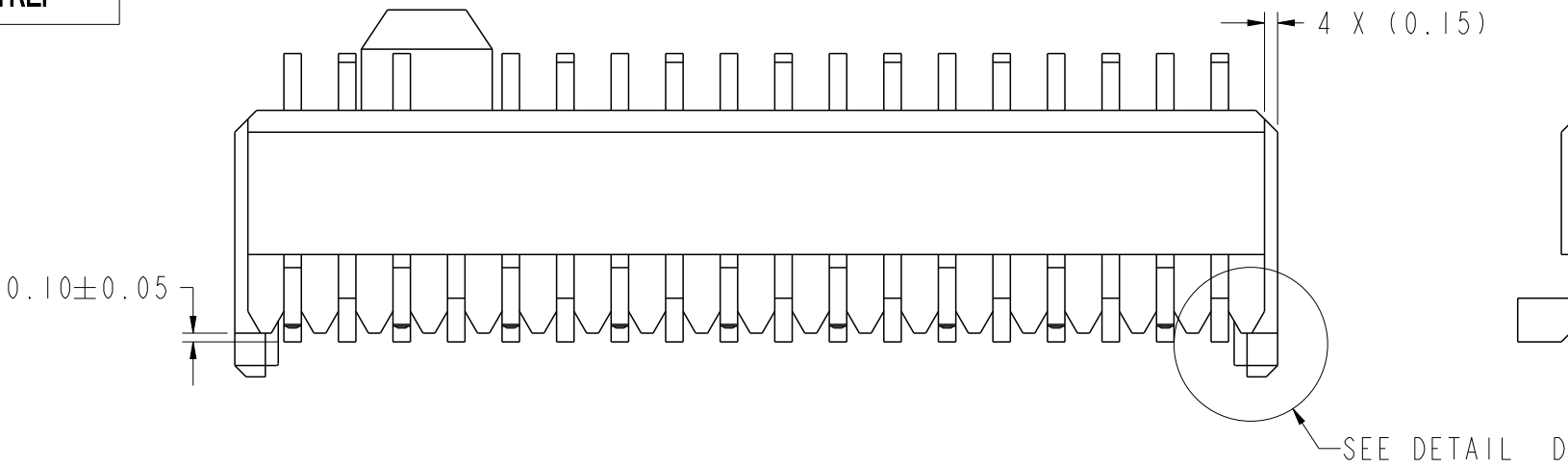
PRODUCT NO.
(SEE TABLE ON PAGE 7 FOR DETAILS)
10007042-002
10007042-002TR
10007042-002LF
10007042-002TRLF
10007042-003LF
10007042-003TRLF
10007042-004TRLF



spec ref				dr	wcadmin	2005/02/21	projection	MM	size	A3	scale	10:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Dennis Goh	2013/11/21			ecn no	ELX-S-16317-1		
				chr	Soon-Hoe Thio	2013/12/17						
				appr	Chen-Hong Tan	2013/12/25						product family
surface	linear	0.X	±0.2		title NEPTUNE / MERCURY COMPRESSION CONNECTOR (1.25P)			dwg no	10007042		rev	N
		0.XX	±0.10									
		0.XXX	±0.050									
	ASME Y14.5	angular	0°									

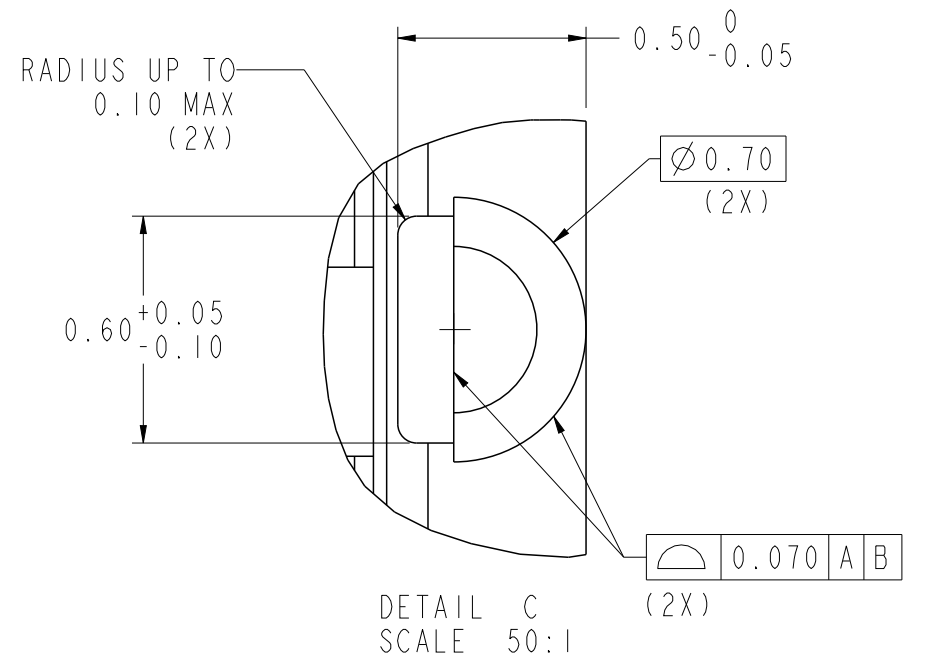
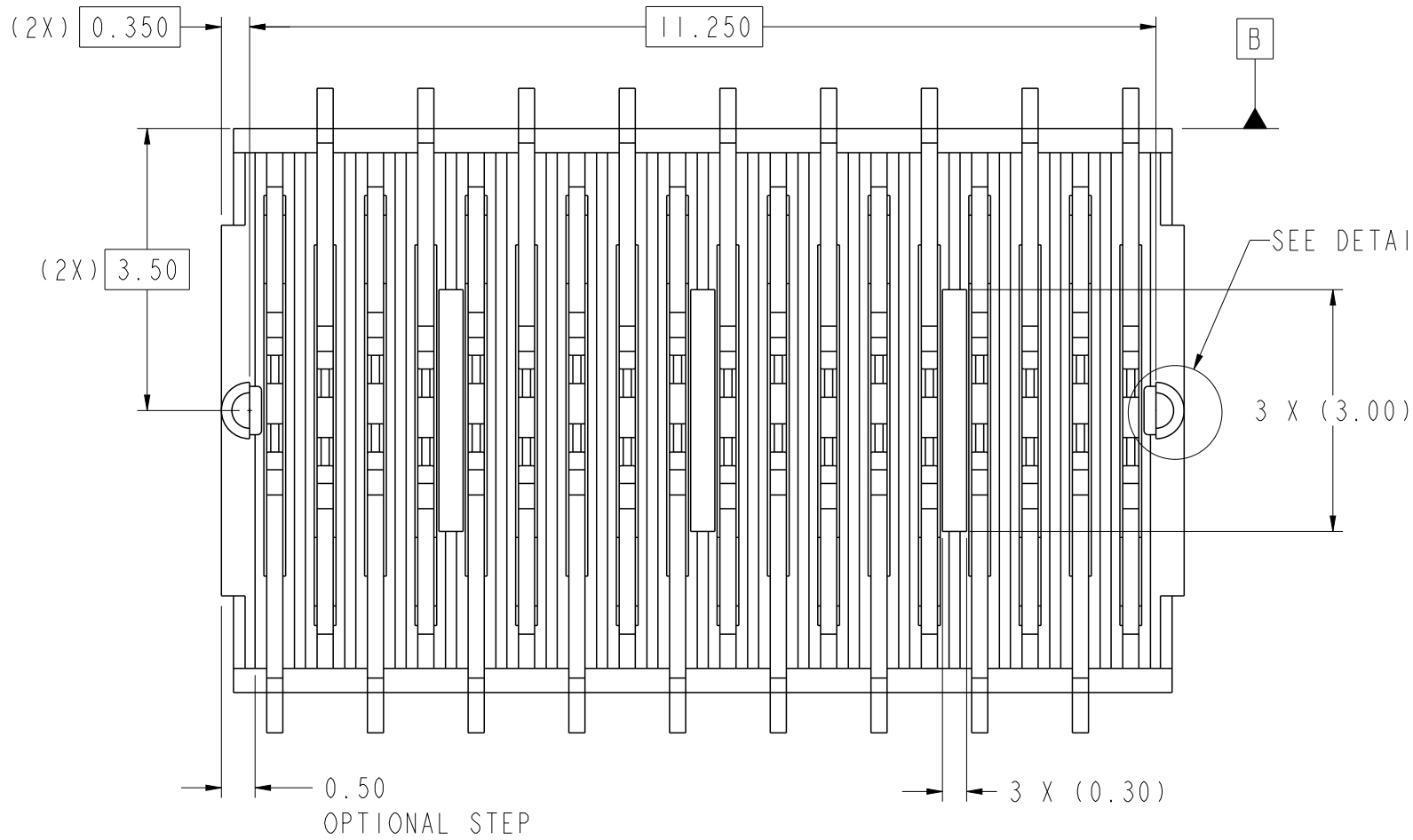
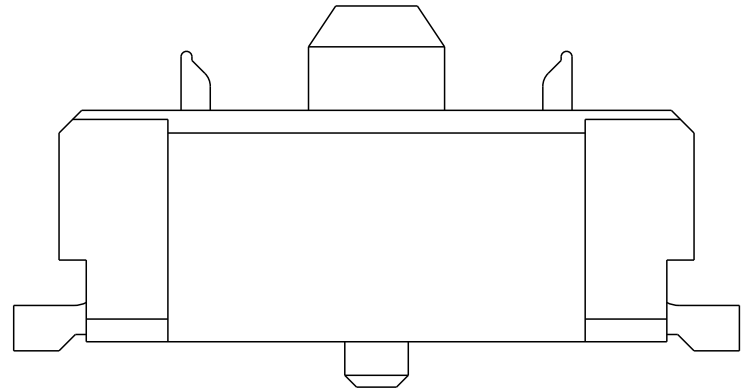
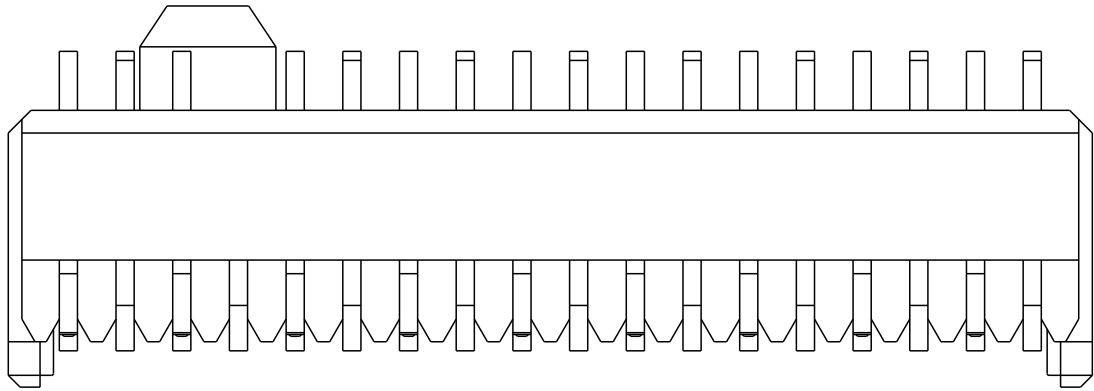
PRODUCT NO.
(SEE TABLE ON PAGE 7 FOR DETAILS)
10007042-002
10007042-002TR
10007042-002LF
10007042-002TRLF
10007042-003LF
10007042-003TRLF
10007042-004TRLF

LOWER HOUSING CONFIGURATION
(DETAILS APPLY TO BOTH ENDS)



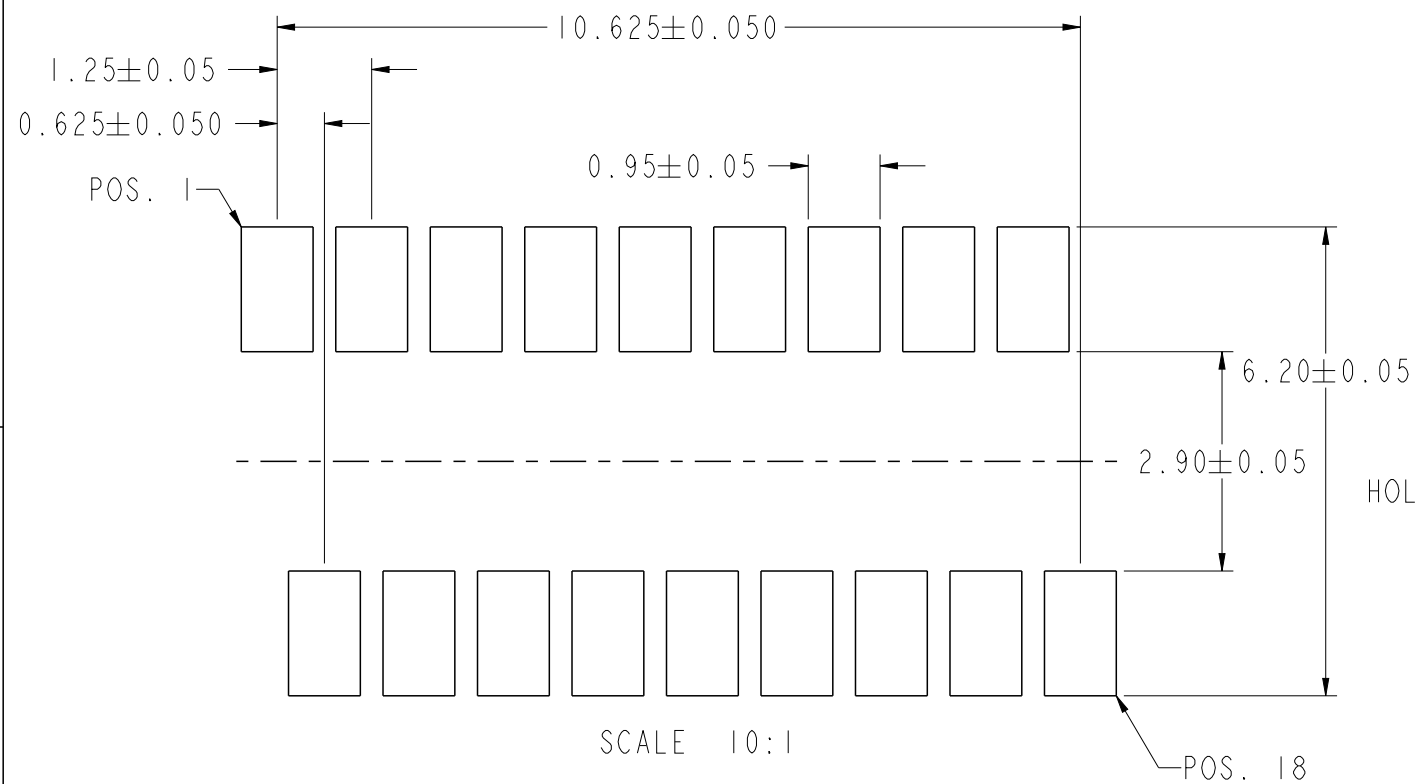
spec ref				dr		wcadmin	2005/02/21		projection		MM		size		A3	scale		12:1												
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Dennis Goh	2013/11/21						ecn no				ELX-S-16317-1											
ASME Y14.5						chr		Soon-Hoe Thio	2013/12/17						rel level				Released											
-						appr		Chen-Hong Tan	2013/12/25						product family															
surface		✓	linear				title		NEPTUNE / MERCURY COMPRESSION CONNECTOR (1.25P)				dwg no		10007042				rev		N									
ASME Y14.5		angular	0°		±2°		www.fci.com		cat. no.				Product - Customer Drw				sheet 4 of 7													

PRODUCT NO.
(SEE TABLE ON PAGE 7 FOR DETAILS)
10007042-002
10007042-002TR
10007042-002LFF
10007042-002TRLF
10007042-003LFF
10007042-003TRLF
10007042-004TRLF

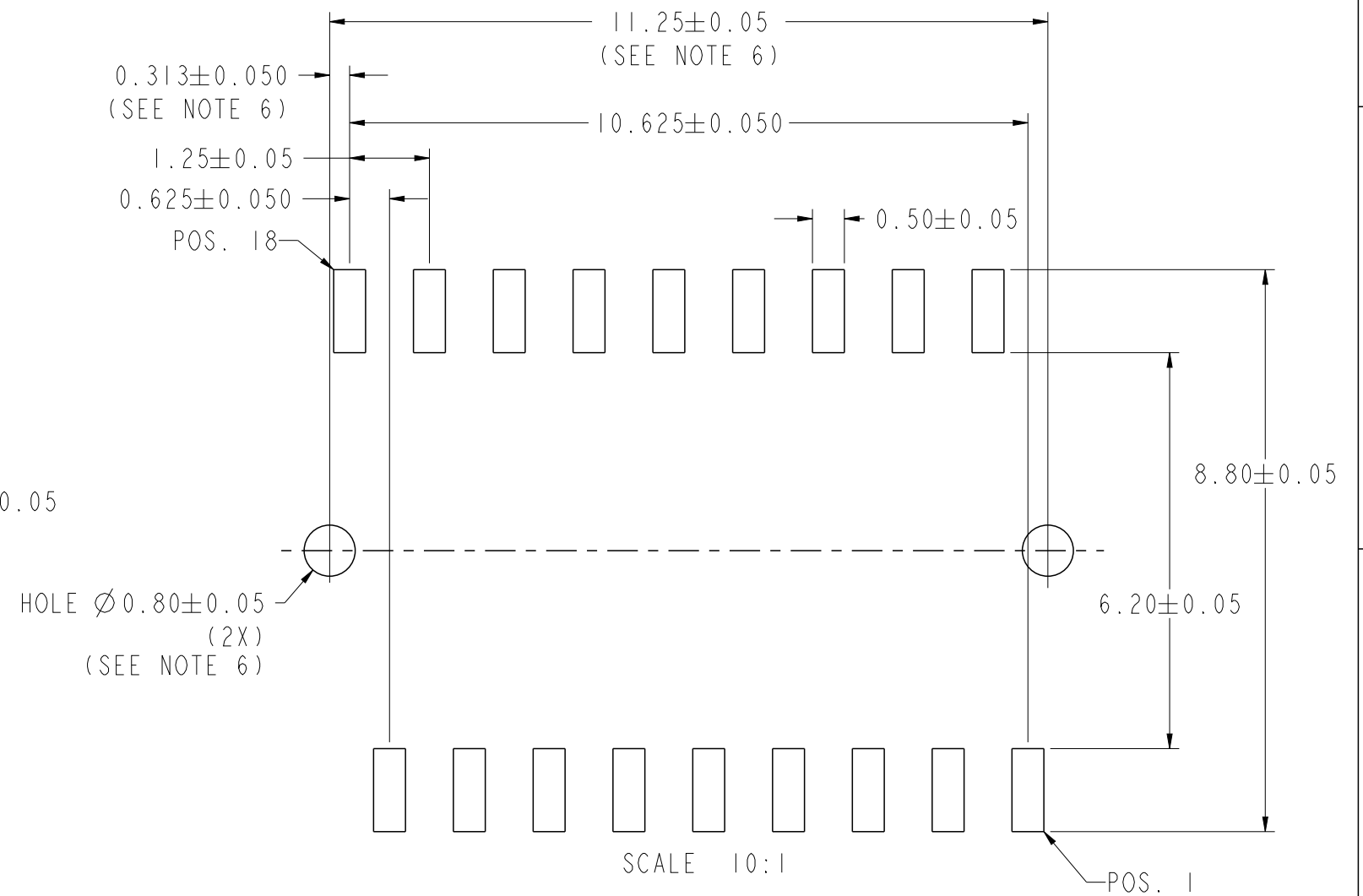


spec ref				dr		wcadmin	2005/02/21	projection		MM		size	A3	scale	12:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Dennis Goh	2013/11/21	ecn no					ELX-S-16317-1				
				chr	Soon-Hoe Thio	2013/12/17										
ASME Y14.5				appr	Chen-Hong Tan	2013/12/25	product family				rel level			Released		
surface		linear	0.X	±0.2		title	NEPTUNE / MERCURY COMPRESSION CONNECTOR (1.25P)				dwg no	10007042		rev	N	
			0.XX	±0.10												
			0.XXX	±0.050												
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw				sheet 5 of 7					

RECOMMENDED CONTACT PAD DIMENSIONS



RECOMMENDED SMT PAD DIMENSIONS



spec ref				dr		wcadmin	2005/02/21		projection		MM		size		A3	scale		4:1							
tolerance std				TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Dennis Goh		2013/11/21						ecn no		ELX-S-16317-1					
ASME Y14.5								chr		Soon-Hoe Thio		2013/12/17													
-								appr		Chen-Hong Tan		2013/12/25										product family			
surface								linear		0.X		±0.2				title		NEPTUNE/MERCURY				dwg no		10007042	
						0.XX		±0.10																	
						0.XXX		±0.050																	
ASME Y14.5				angular		0°		±2°		www.fci.com		cat. no.				Product - Customer Drw				sheet 6 of 7					

A

B

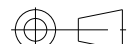
C

D

PRODUCT NO.	DESCRIPTION	NO. OF POSITIONS	PACKAGING	BOTTOM POSTS (2X)	FINISH
10007042-001	NEPTUNE COMPRESSION CONNECTOR (1.25mm PITCH)	18	TUBE	NO	NOTE 2
10007042-001TR	NEPTUNE COMPRESSION CONNECTOR (1.25mm PITCH)	18	TAPE & REEL	NO	NOTE 2
10007042-002	MERCURY COMPRESSION CONNECTOR (1.25mm PITCH)	18	TUBE	YES	NOTE 2
10007042-002TR	MERCURY COMPRESSION CONNECTOR (1.25mm PITCH)	18	TAPE & REEL	YES	NOTE 2
10007042-002LF	MERCURY COMPRESSION CONNECTOR (1.25mm PITCH)	18	TUBE	YES	NOTE 3
10007042-002TRLF	MERCURY COMPRESSION CONNECTOR (1.25mm PITCH)	18	TAPE & REEL	YES	NOTE 3
10007042-003LF	MERCURY COMPRESSION CONNECTOR (1.25mm PITCH)	18	TUBE	YES	NOTE 7
10007042-003TRLF	MERCURY COMPRESSION CONNECTOR (1.25mm PITCH)	18	TAPE & REEL	YES	NOTE 7
10007042-004TRLF	MERCURY COMPRESSION CONNECTOR (1.25mm PITCH)	18	TAPE & REEL	YES	NOTE 8

NOTE:
1. MATERIALS:
HOUSING: HIGH TEMPERATURE PLASTIC, BLACK OR GRAY
CONTACT: COPPER ALLOY
2. PLATING:
TIN-LEAD OVER NICKEL UNDERPLATE
3. PLATING:
TIN (LEAD FREE) OVER NICKEL UNDERPLATE
4. CONTACT FORCE:
150g TO 210g WHEN COMPRESSED TO A WORKING OR STACK HEIGHT OF 2.90mm FROM DATUM A
5. MAINTAIN CONTACT FORCE AT NOTE 4 AFTER BEING COMPRESSED TO 2.90mm FROM DATUM A FOR 25 CYCLES
6. ONLY APPLIES TO PRODUCT NO. WITH BOTTOM POSTS

7. PLATING:
0.051um MIN TO 0.127um MAX GOLD AT CONTACT AND GOLD FLASH ON SOLDER TAIL
8. PLATING:
0.076um MIN GOLD AT CONTACT AND 0.051um MIN TO 0.254um MAX GOLD ON SOLDER TAIL.
9. HEIGHT DELTA OF CONNECTOR 18 PINS TO CONTROL AT 0.10MM MAX
10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
11. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN

spec ref				dr		wcadmin	2005/02/21		projection		MM		size		A3		scale		20:1												
tolerance std ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Dennis Goh		2013/11/21						ecn no		ELX-S-16317-1															
				chr		Soon-Hoe Thio		2013/12/17																							
				appr		Chen-Hong Tan		2013/12/25												product family				rel level				Released			
surface ✓		linear		0.X		±0.2				title		NEPTUNE / MERCURY						dwg no		10007042				rev		N					
																												0.XX		±0.10	
																												0.XXX		±0.050	
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.				Product - Customer Drw						sheet 7 of 7											