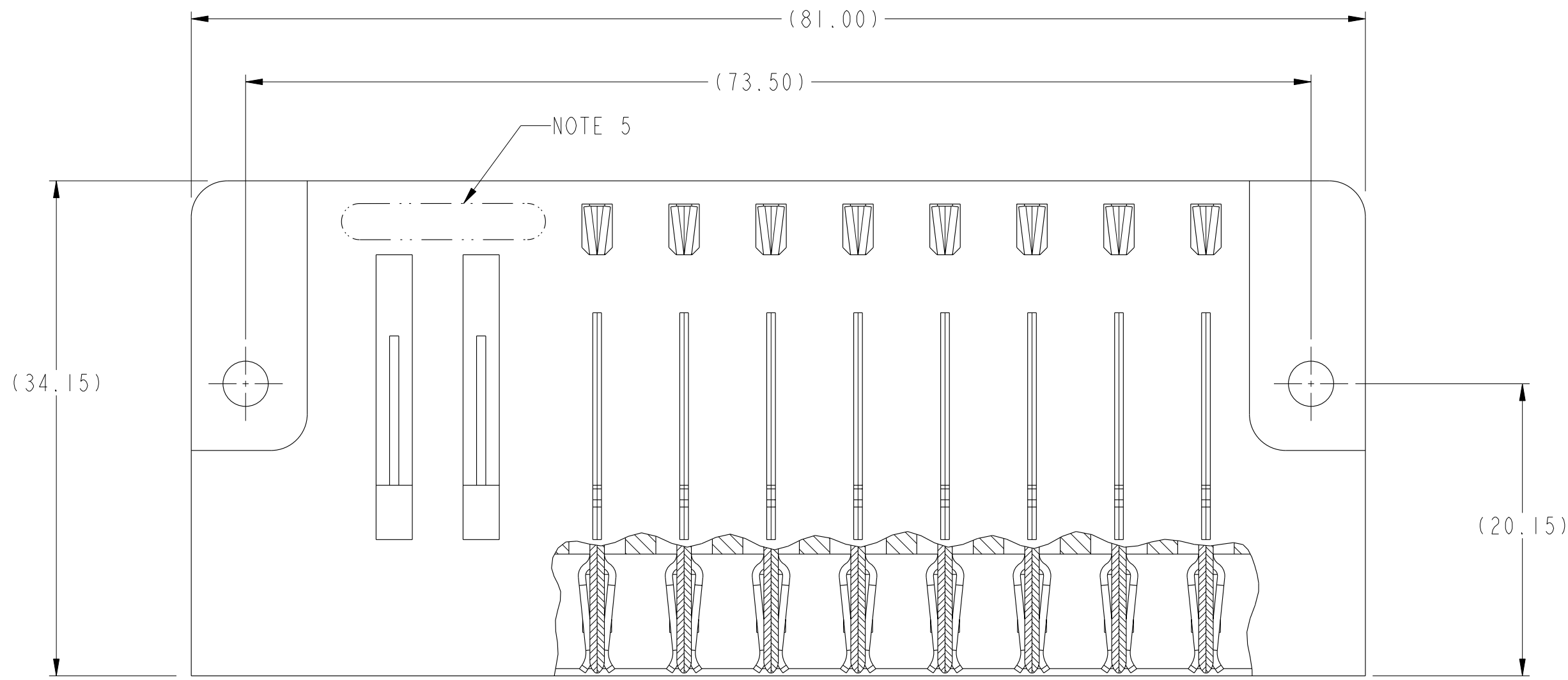
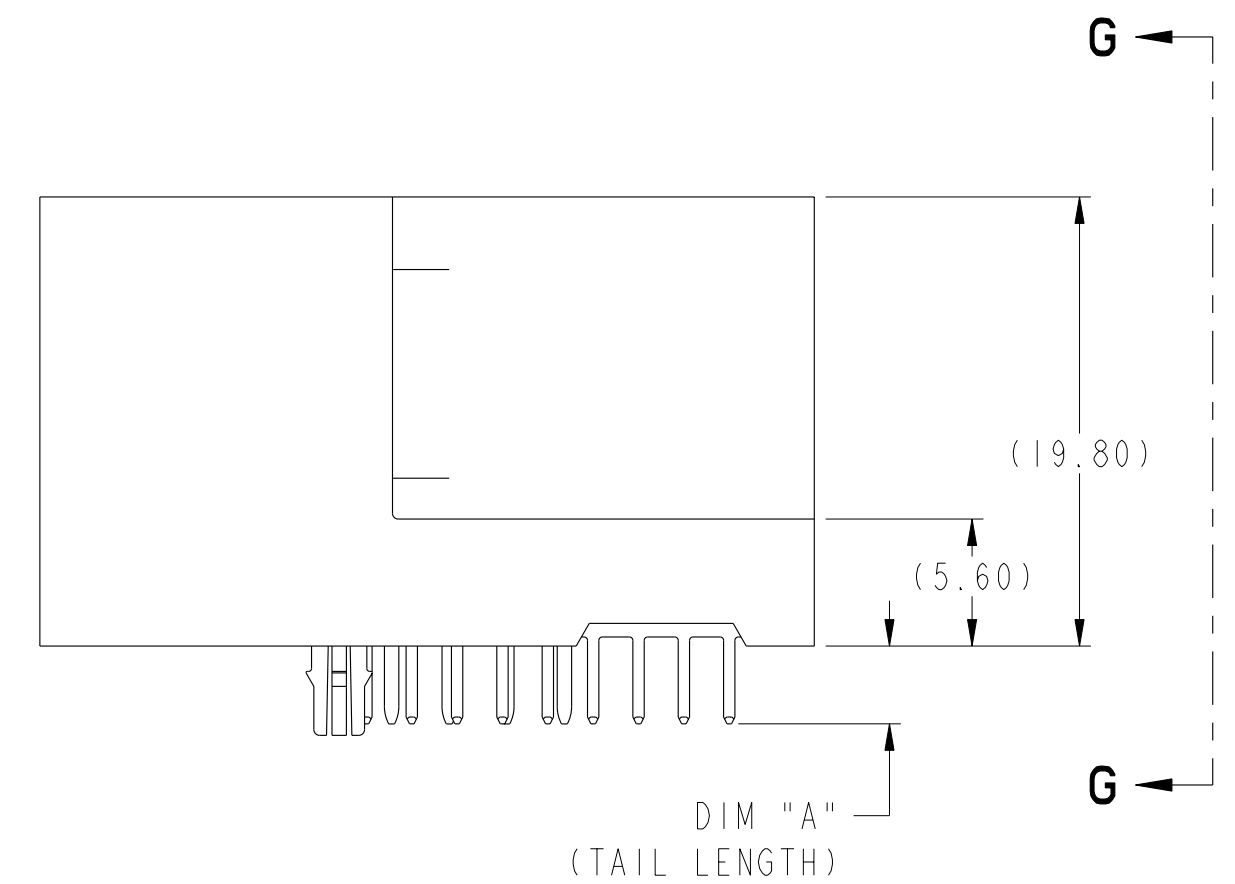
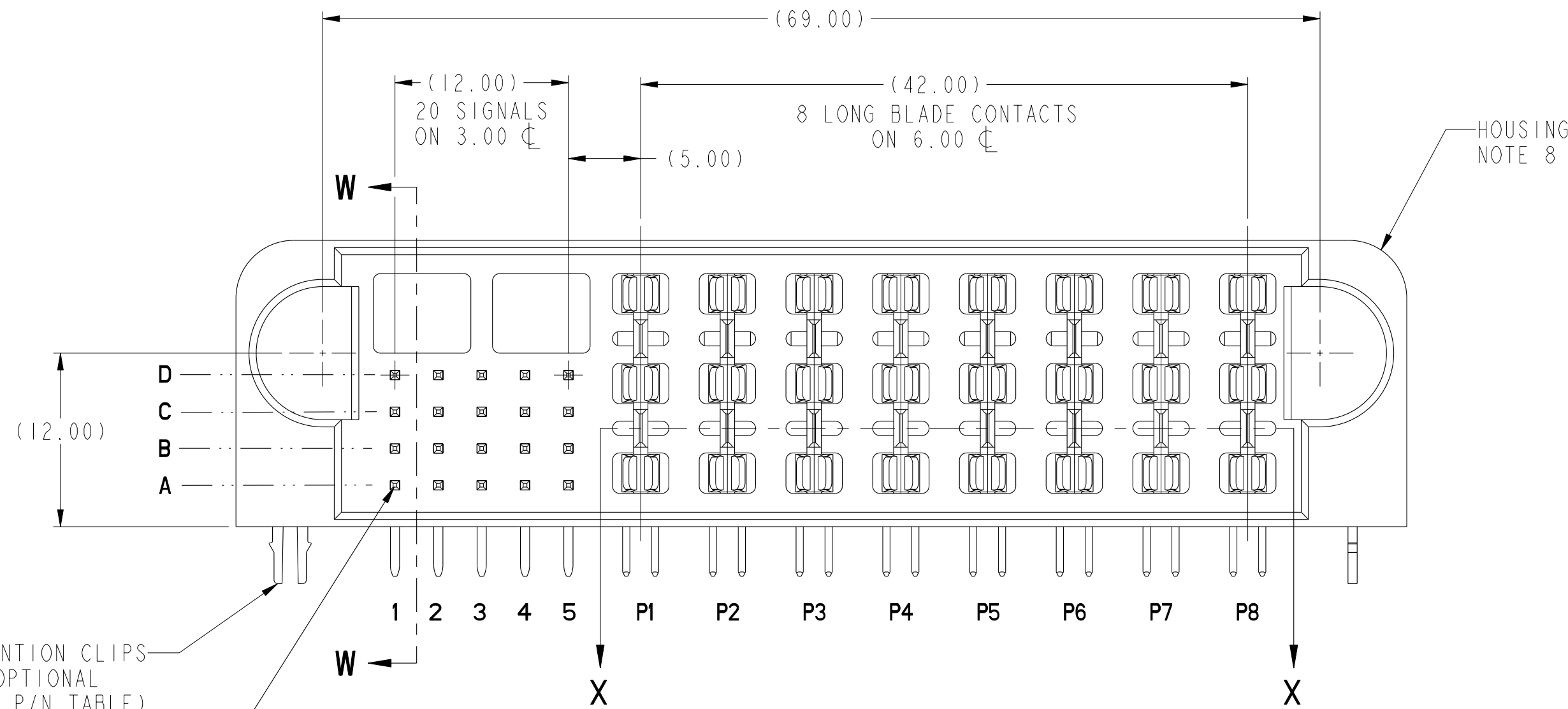




SECTION X-X



RETENTION CLIPS
OPTIONAL
(SEE P/N TABLE)

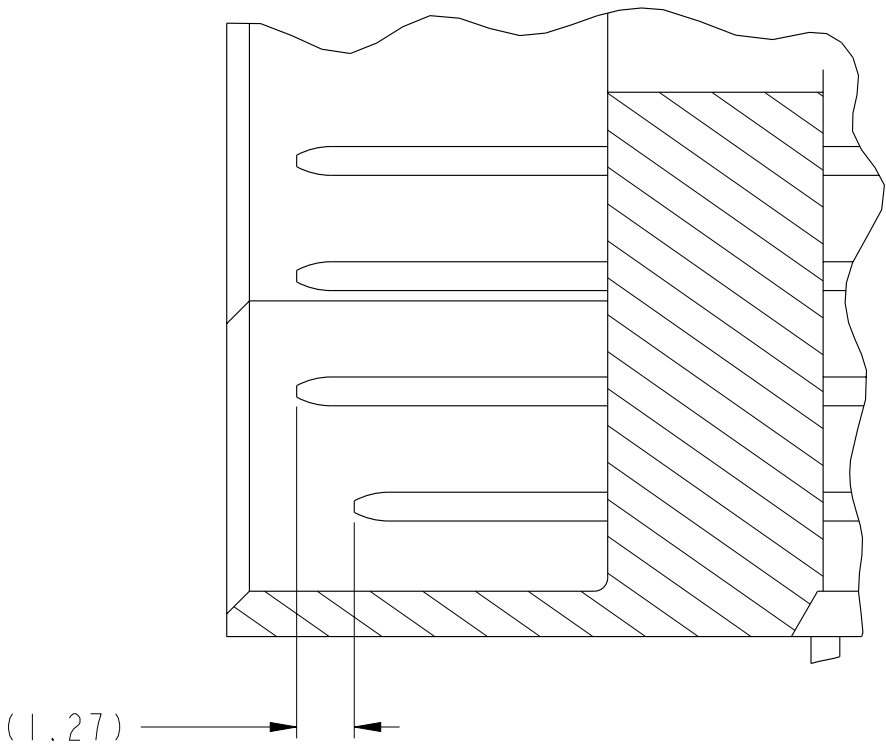
POSITION A1
SHORT DETECT PIN
(SEE SECTION W-W)

rev	ecn no	dr	date
A	V07-0402	TH	2007-06-13
B	V08-0006	BAB	2008-01-03
C	V08-0243	TH	2008-06-03
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

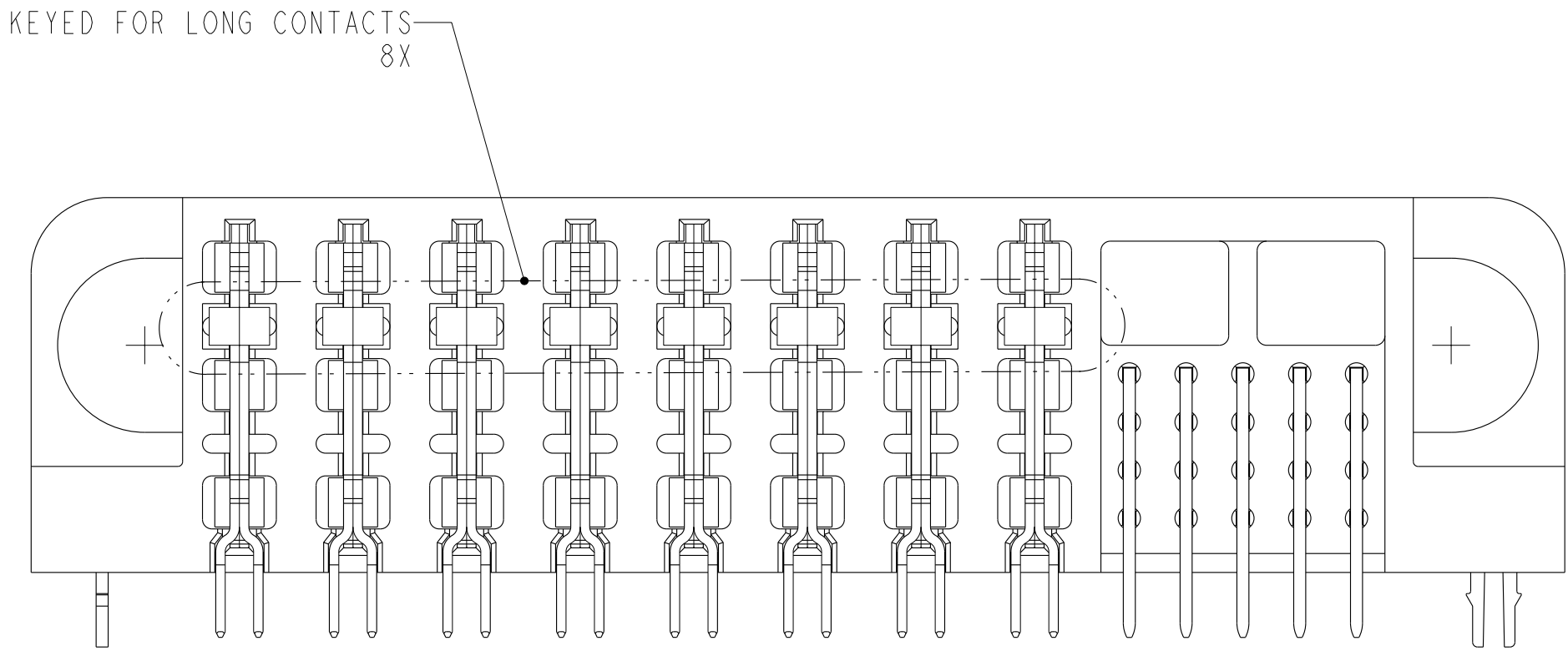
www.fciconnect.com			surface ASME Y14.5		tolerance std ASME Y14.5		projection		mm	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	T.HOUTZ	2007-04-26	ANGULAR	LINEAR	0.X	±.3	size	A2	Scale	
Eng	H.NGO	2007-04-26			0.XX	±.10			3:1	
Chr	H.NGO	2007-04-26	0° ±2°		0.XXX	±.050	ECN		-	
Appr	H.NGO	2007-04-26	Product family			HCI	Spec ref			
			title			dwg no		10078546		Rev.
			R/A HDR ASSY 20S-8P(STL)							C
			HCI POWER CONNECTOR							
			catalog no			CUSTOMER		sheet 1 of 5		

A
B
C
D
E
F

12345678



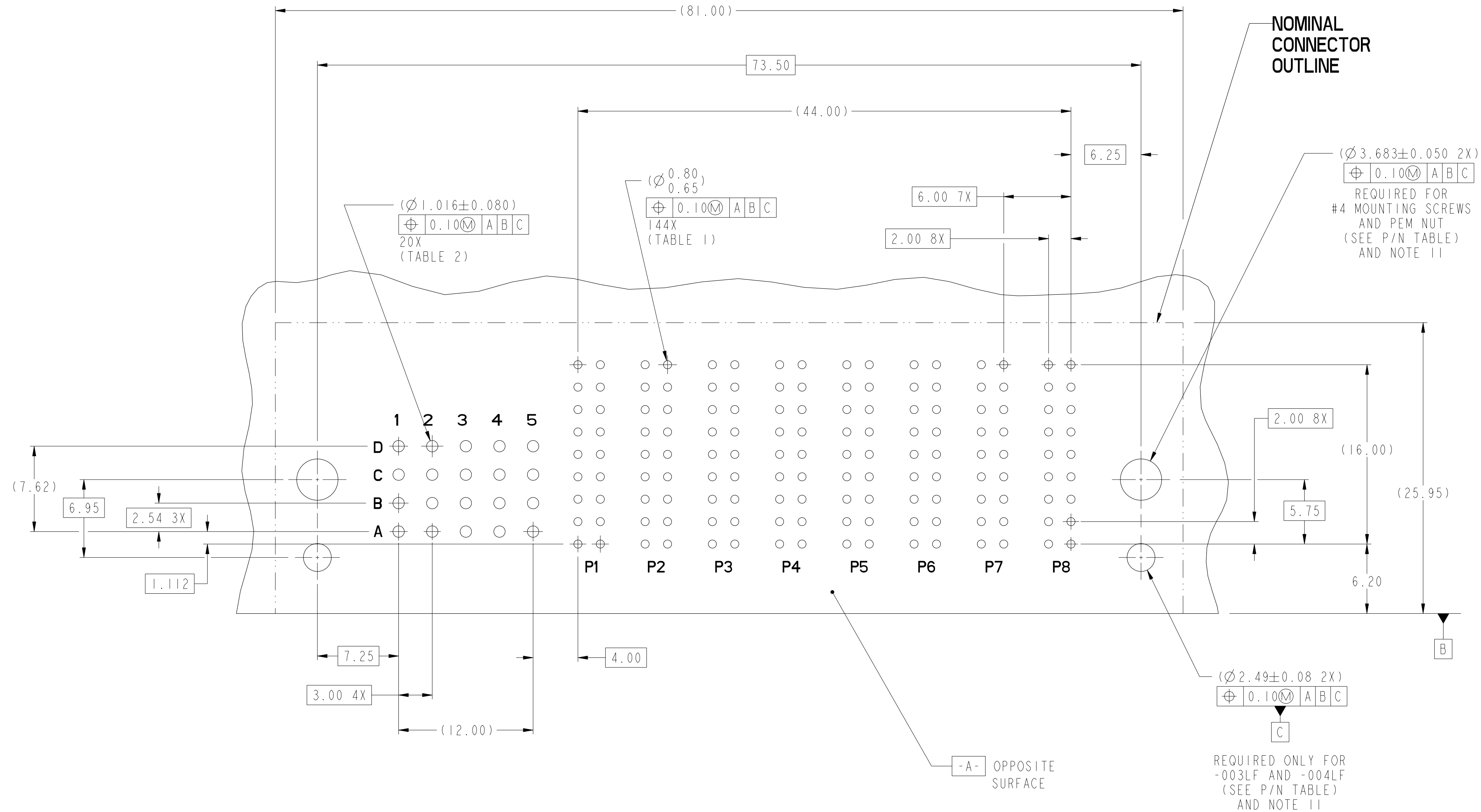
SECTION W-W
SCALE 6:1
SIGNAL MATING
SEQUENCE



VIEW G-G

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FCI	title	R/A HDR ASSY 20S-8P(STL)		dwg no	10078546	Rev.	C
		HCI POWER CONNECTOR					
	catalog no				CUSTOMER	sheet 2 of 5	



RECOMMENDED PCB LAYOUT COMPONENT SIDE

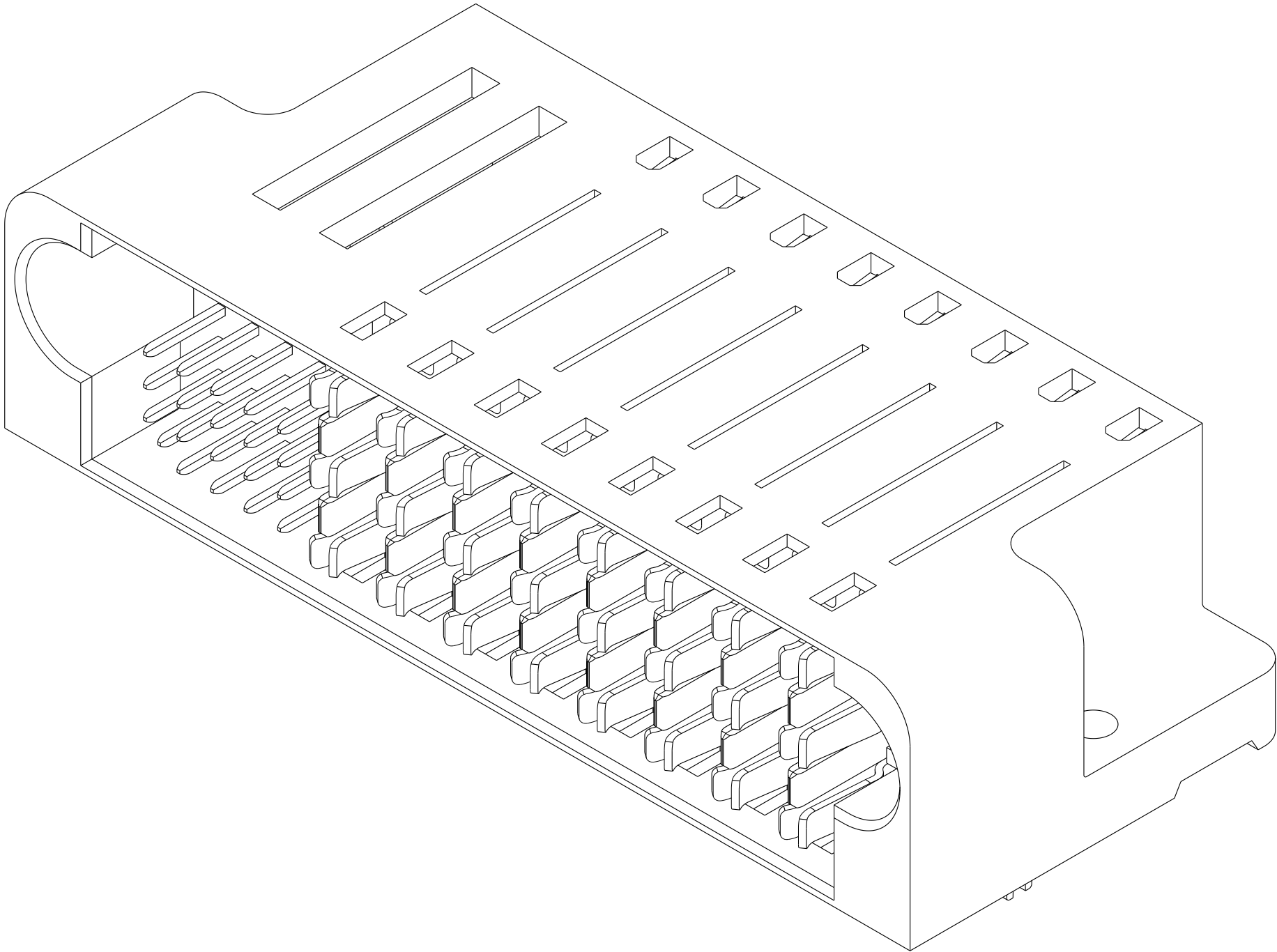
NOTE 6

FCJ	title	R/A HDR ASSY 20S-8P(STL)	dwg no	10078546	Rev.	C
	catalog no	HCI POWER CONNECTOR	CUSTOMER	sheet 3 of 5	STATUS:Released 8 Printed: Dec 18, 2010	

PDM: Rev:C

1	2	3	4	5	6	7	8	
TOP LAYER DESCRIPTION	TABLE 1 (HCI POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	0.9 - 1.5um	--	0.70 - 0.80
IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
COPPER (SEE NOTE 9)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80
TOP LAYER DESCRIPTION	TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	1.125-1.175 (Ø.0453±.0010)	0.025-0.050	0.005-0.015	--	--	--	--	0.94 - 1.10 (Ø.040±.003)
IMMERSION TIN			--	--	--		--	
IMMERSION SILVER			--	--	--	--		
COPPER (SEE NOTE 9)			--	--	--	--	--	
GOLD			--			--	--	
</								

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)	TAIL TYPE
I0078546-001LF	NO	YES	3.43	SOLDER TAIL
I0078546-002LF	NO	YES	4.70	SOLDER TAIL
I0078546-003LF	YES	NO	3.43	SOLDER TAIL
I0078546-004LF	YES	NO	4.70	SOLDER TAIL



NOTES:

- CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
- CONTACT FINISH (ref GS-12-380 SECTION 5.2)
- PRODUCT SPECIFICATION: GS-12-380.
- APPLICATION SPECIFICATION: GS-20-070.
- PRODUCT MARKING (PRODUCT NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
- MINIMUM NOMINAL PCB THICKNESS: 1.6mm
- PACKAGING MEETS FCI SPECIFICATION GS-14-1073.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C
PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED,
OR VAPOR PHASE REFLOW OVEN.
- COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE
NO MORE THAN 0.003 LESS THAN OTHER AREAS.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED.

	title	R/A HDR ASSY 20S-8P(STL)		dwg no	10078546		Rev. C
		HCI POWER CONNECTOR					
	catalog no	-	CUSTOMER		sheet 5 of 5		