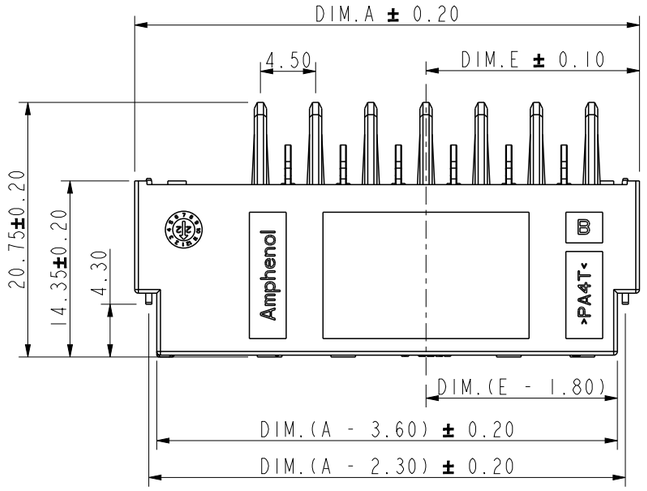
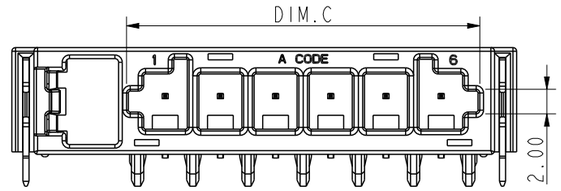
PART NUMBER
10170158-XXXXXLF



A CODE / COLOR:ORANGE;COLOR CODE:RAL2008



B CODE / COLOR:ORANGE;COLOR CODE:RAL2008

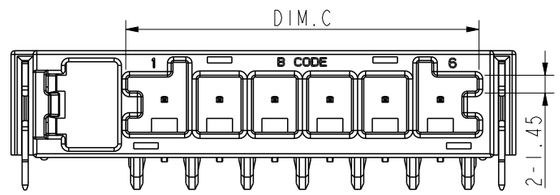
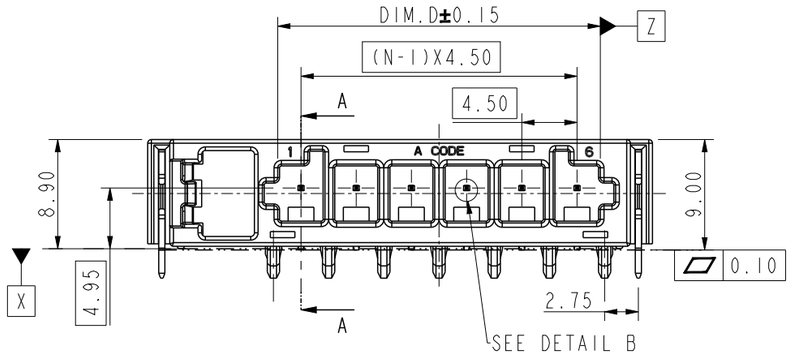
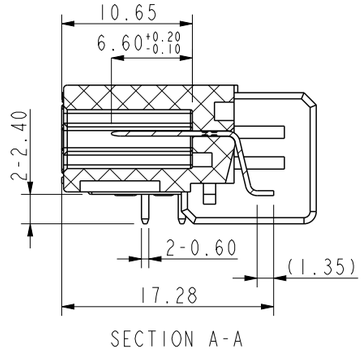
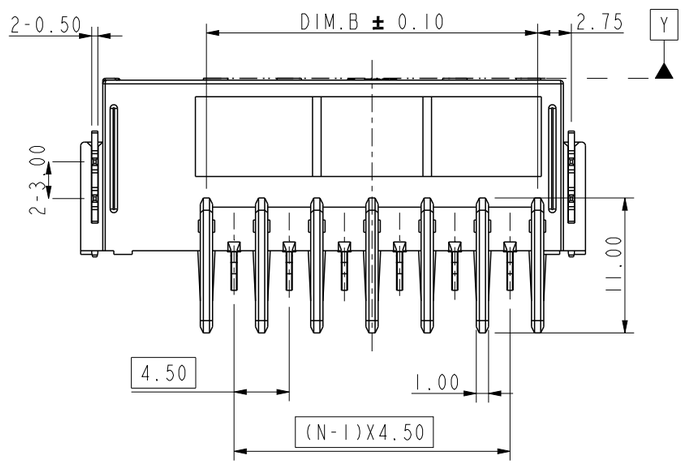
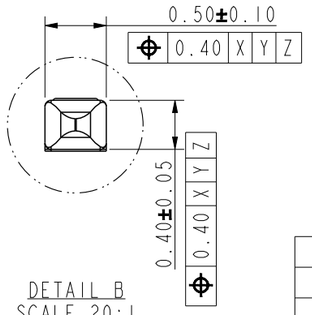


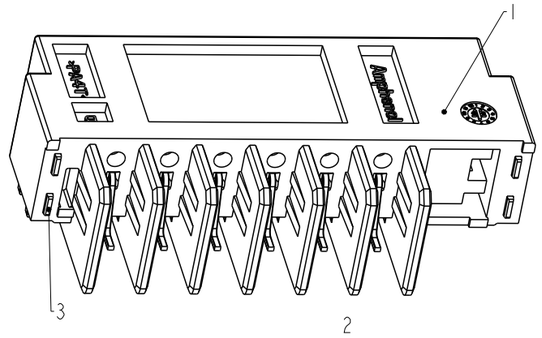
TABLE-1:PART NO. & DIMENSIONS FOR 3 PIN TO 10 PIN						
POS.	PART NO.	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E
03	10170158-X03XXLF	27.65	13.50	15.30	12.80	10.65
04	10170158-X04XXLF	32.15	18.00	19.80	17.30	12.90
05	10170158-X05XXLF	36.65	22.50	24.30	21.80	15.15
06	10170158-X06XXLF	41.15	27.00	28.80	26.30	17.40
07	10170158-X07XXLF	45.65	31.50	33.30	30.80	19.65
08	10170158-X08XXLF	50.15	36.00	37.80	35.30	21.90
09	10170158-X09XXLF	54.65	40.50	42.30	39.80	24.15
10	10170158-X10XXLF	59.15	45.00	46.80	44.30	26.40











No.	Components Desicription	Material Specifications	Q'ty	Remarks
3	SIDE LATCH HOLD DOWN	COPPOR ALLOY	2	
2	0.5mm x 0.4mm SIDE LATCH SMD PIN	COPPOR ALLOY	N	
1	SIDE LATCH BOARD HOUSING;SMD	HIGHT TEMPERATURE THERMOPLASTIC ORANGE UL94 V-0	1	

spec ref			dr	Jeffrey Huang	2023/07/21
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Nick Zhang	2024/09/05
ISO 406 ISO 1101			chr	-	-
surface	linear	0.X ±0.3	appr	Tim Yao	2024/09/10
ISO 1302		0.XX ±0.15			
		0.XXX ±0.05			
	angular	0° ±2°			

projection | mm | size A3 | scale 2:1 | ecn no ELX-N-52752-1 | product family | rel level Released

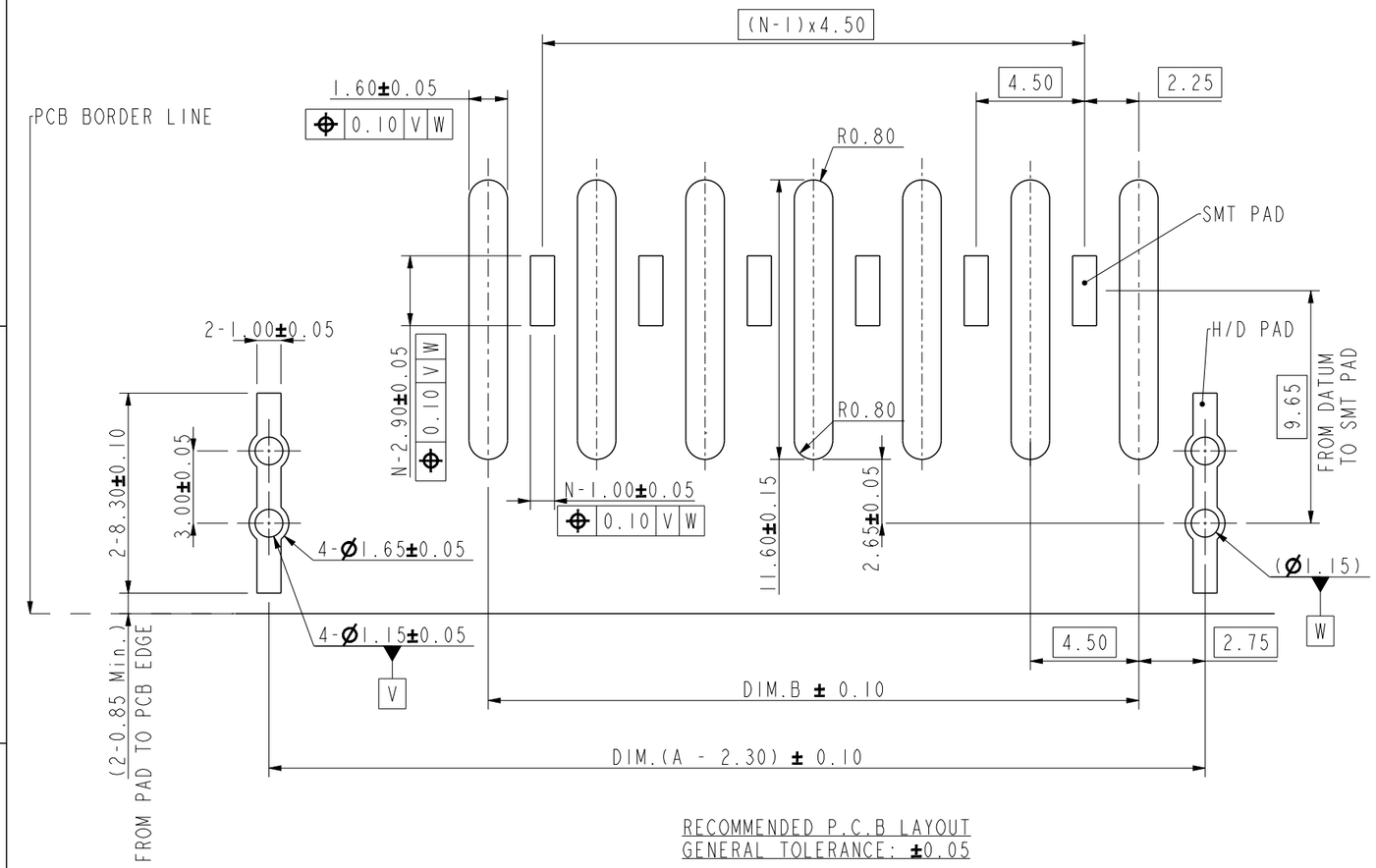
Amphenol FCi | title: SIDE LATCH R/A SMT, HVLock Connector Series | dwg no 10170158 | rev B | cat. no. | Product - Customer Drw | sheet 1 of 2

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Creo File:ELX-WC-A3C,REV F,2020-12-21

PDS: Rev :B | STATUS:Released | Printed: Sep 10, 2024

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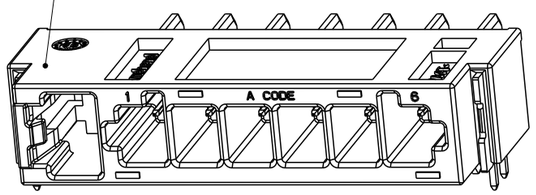
RECOMMENDED P.C.B LAYOUT
GENERAL TOLERANCE: ±0.05

NOTES:
1. ELECTRICAL CHARACTERISTICS:
   1.1 CURRENT RATING : 3A.
   1.2 CONTACT RESISTANCE: 25mΩ MAX (INITIAL).
   1.3 INSULATOR RESISTANCE: 100MΩ MIN.
   1.4 RATED VOLTAGE: 1200V AC
   1.5 OPERATION TEMPERATURE: -40 °C ~ +125 °C
2. RECOMMENDED PCB THICKNESS IS 1.60mm.
3. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A CONVECTION, INFRA-REDOR VAPOR PHASE REFLOW.
4. LEAD FREE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DISCRIBLED IN GS-22-008.
5. PART MUST BE FREE OF SURFACE FLAWS, MAXIMUM BURR 0.10MM.
6. PIN TIP DETAILS ACCORDING TO EWCAP-001 TERMINAL 050-T001.
7. PRODUCT SPECITICATION: GS-12-1831.
8. PACKAGE SPECITICATION: GS-14-3001.
9. PART NUMBER CODE: 10170158- X XX X X LF

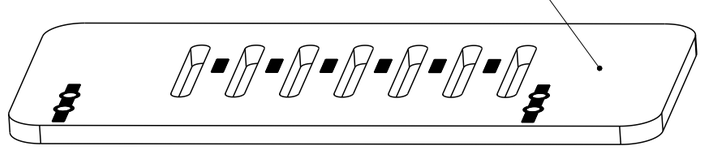
CONTACT MATERIAL & PLATING
0-MATERIAL: COPPOR ALLOY
  CONTACT AREA: REFLOW TIN
  SOLDER AREA:REFLOW TIN
1-MATERIAL: COPPOR ALLOY
  CONTACT AREA: SILVER PLATED
  SOLDER AREA:MATTE TIN
3-MATERIAL: COPPOR ALLOY
  CONTACT AREA: GOLD 0.76um
  SOLDER AREA:MATTE TIN
4-MATERIAL: COPPOR ALLOY
  CONTACT AREA: MATTE TIN
  SOLDER AREA:MATTE TIN

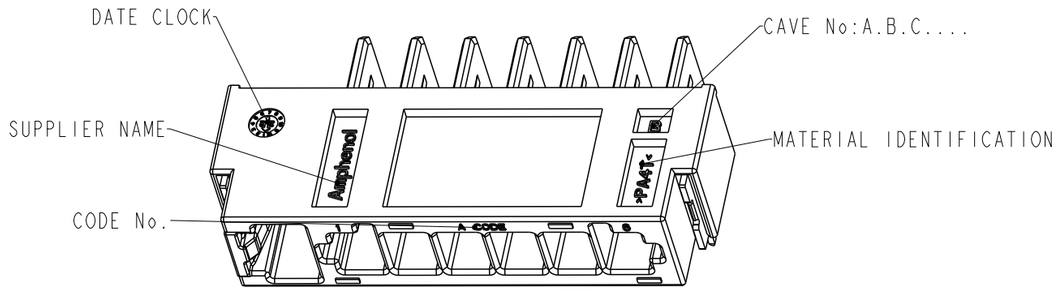
FOR CUSTOMER CODE
CODE TYPE
A → A CODE
B → B CODE
PACKAGING
K → TAPE & REEL
T → TRAY PACKAGE
NUMBER OF POSITIONS
03 → 3 PINS
04 → 4 PINS
. . . . . .
10 → 10 PINS

HV BOARD SIDE CONN.FOR 6 POS. WITH THT H/D



HV SMT DOARD PCB WITH THT H/D





spec ref				dr	Jeffrey Huang	2023/07/21	projection	mm
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nick Zhang	2024/09/05		
				chr	-	-		
				appr	Tim Yao	2024/09/10	product family	
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title: SIDE LATCH R/A SMT HVLock Connector Series		dwg no: 10170158	rev: B
		0.XX	±0.15					
		0.XXX	±0.05					
	angular	0°	±2°		cat. no.	Product - Customer Drw		sheet 2 of 2

size A3 | scale 2:1 | ecn no ELX-N-52752-1 | rel level Released

Creo File:ELX-WC-A3C,REV F,2020-12-21

PDS: Rev :B | STATUS:Released | Printed: Sep 10, 2024

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