

HF
compliant



SPECIFICATION
MATERIAL AND FINISH:
1. INSULATOR: LCP, RATED UL94V-0, BLACK
2. CONTACTS: COPPER ALLOY
PLATING: UNDERPLATE: 50~120u" NI
CONTACT AREA: 8u" AU
SOLDER TAILS AREA: 1u" AU

ELECTRICAL CHARACTERISTIC:
1. CURRENT RATING: CONTACT: 2.0 A
GROUND PLANE: 7.8 A
2. VOLTAGE RATING: 175 VAC(5mm STACK HEIGHT)
3. WITHSTANDING VOLTAGE: 525 VAC

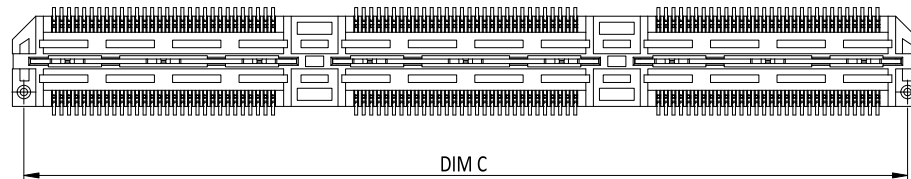
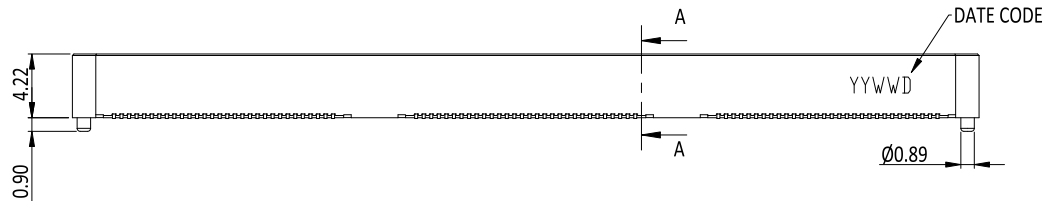
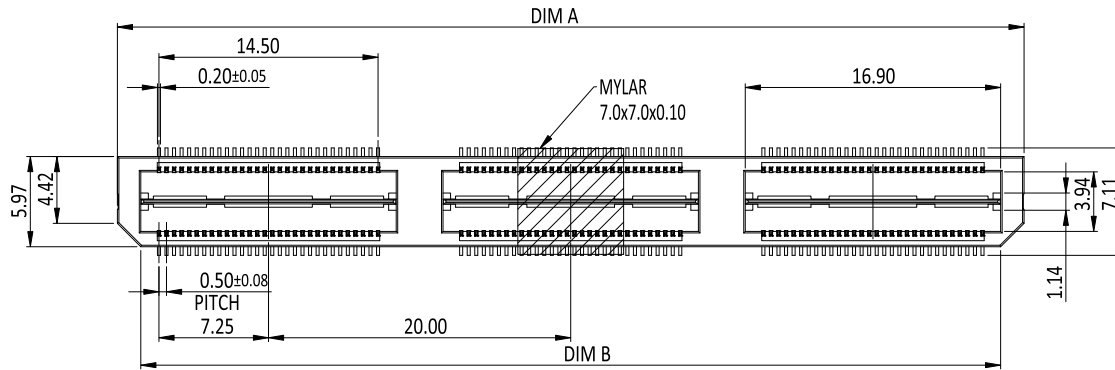
MECHANICAL CHARACTERISTIC:
1. MATING CYCLES: 100 INSERTIONS

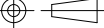
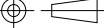
ENVIRONMENT:
1. OPERATING TEMPERATURE RANGE: -55°C TO +125°C

PACKING:
1. TAPE REEL

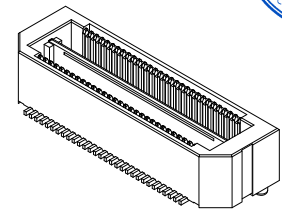
DATE CODE:
YY WW D
D=WEEKDAY
ORDINATE(1-7)WHERE
"1"-SUNDAY
WW=WEEK
YY=YEAR

	60 PIN	120 PIN	180 PIN
DIM A	20.00	40.00	60.00
DIM B	16.90	36.90	56.90
DIM C	18.48	38.48	58.48

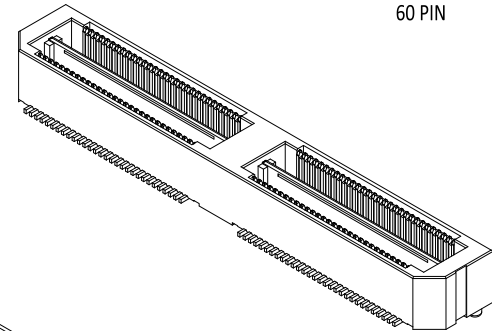


3	51904020030	861DGJ0A1ST301C3	180	8u"AU/1u"AU	W/O DC, W/O MYLAR
2	51904020020	861DGC0A1ST301C3	120	8u"AU/1u"AU	W/O DC, W/O MYLAR
1	51904020010	861DG60A1ST301C3	60	8u"AU/1u"AU	W/O DC, W/O MYLAR
ITEM	NEW P/N	OLD P/N	PIN	CONTACT	NOTE
UNLESS OTHERWISE SPECIFIED TOLERANCE		 SIP	 CHANT SINCERE CO.,LTD		
ANG. ±2°		 Cmk Cpk			
0. ±0.30					
.0 ±0.20					
.00 ±0.12					
SCALE: AS SHOWN		UNIT: mm		TITLE: HI-SPEED GROUND PLANE HEADER PITCH=0.50mm, 4.22mm HIGH	
DRAWN: XINGRU_LAI		23 Apr 2025			
CHECKED: PEARL_HUNG		12 May 2025			
APPROVED: PEARL_HUNG		12 May 2025			
 SIZE A4		SHEET 1/2 REV. D		PART NO. 5190402XXXX	C
		CODE: GC		CUSTOMER:	
7		8		10	

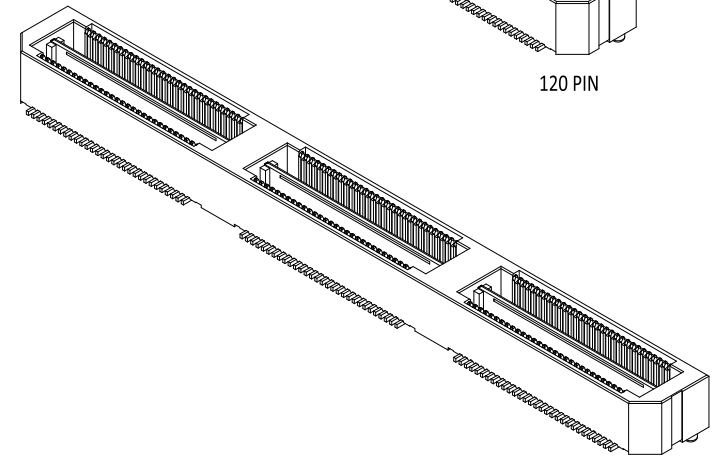
ZONE	REVISION	DESCRIPTION	DATE
1	D	ECN-2504085(KIRA)NEW P/N	21APR2025
2	C	ECN-207020(BRIAN)MODIFY CONTACT UNDERPLATE	13JUL2020
3	B	ECN-203001(BRIAN)MODIFY ELECTRICAL	02MAR2020



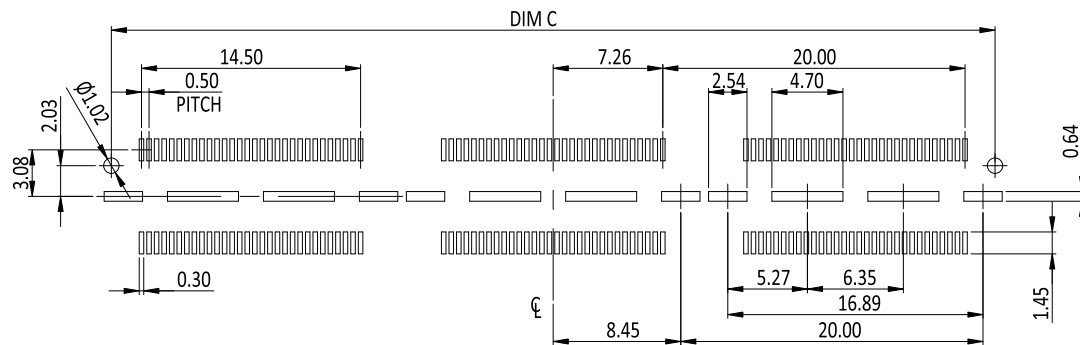
60 PIN



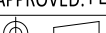
120 PIN



180 PIN



RECOMMENDED PCB LAYOUT
TOLERANCES:±0.03mm

UNLESS OTHERWISE SPECIFIED TOLERANCE ANG. $\pm 2^\circ$ 0. ± 0.30 .0 ± 0.20 .00 ± 0.12		 SIP  Cmk Cpk		 CHANT SINCERE CO.,LTD	
SCALE: AS SHOWN		UNIT: mm			
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 SIZE A4		SHEET 2/2		REV. D	
7		8		9	
				10	