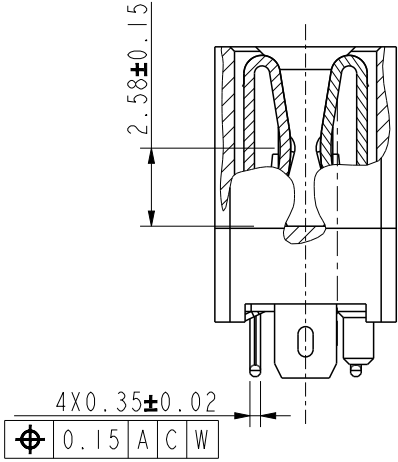
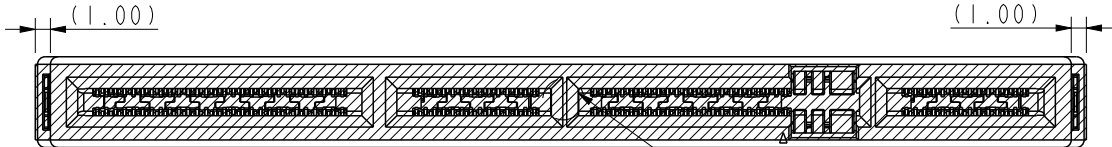
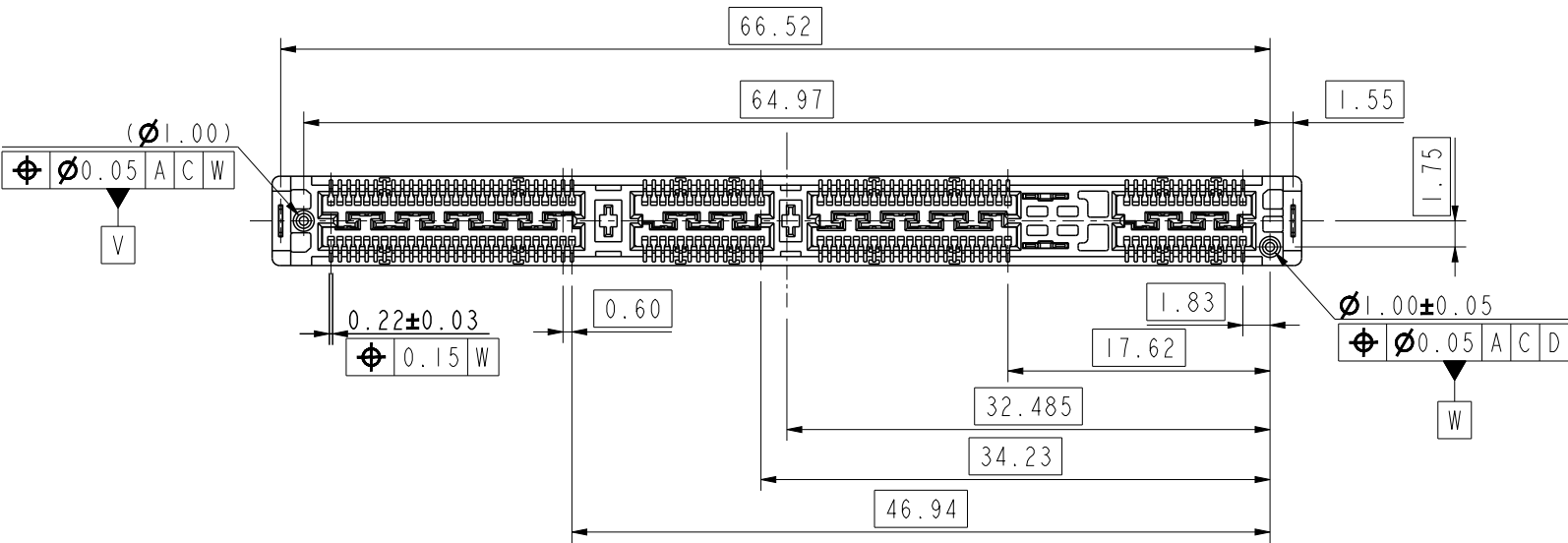
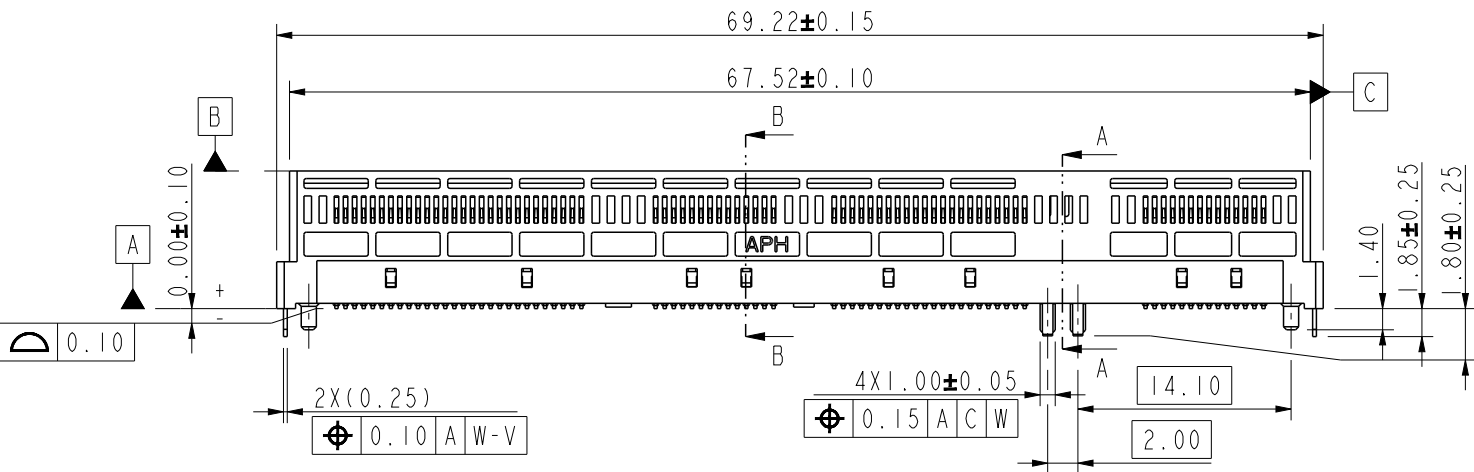
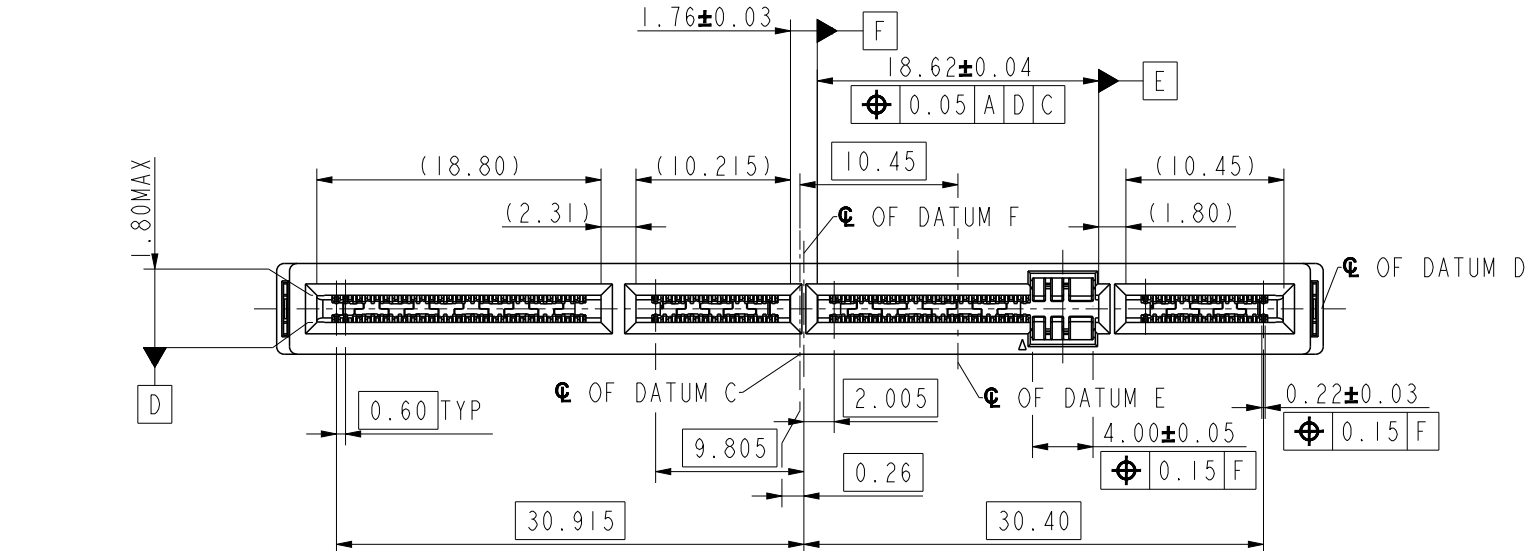
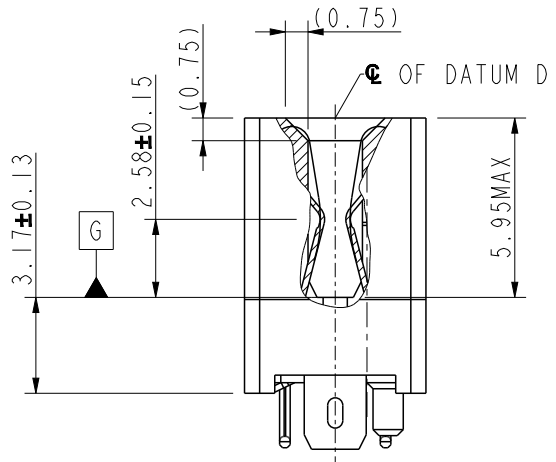
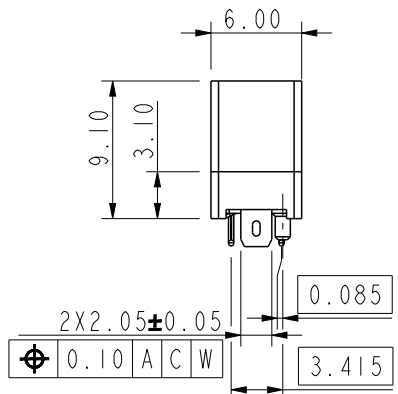


revision history				
rev	ecn no	description	dr	date
A	ELX-CD-F3364-I	FIRST RELEASE	RH	2024/04/15



SECTION A-A
SCALE 4:1



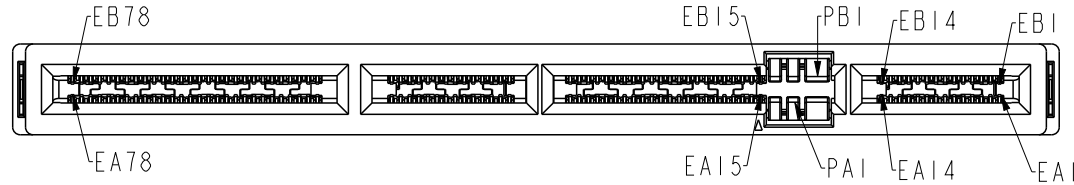
SECTION B-B
SCALE 4:1

spec ref				dr		Rocky Huang	2024/07/23		Amphenol			mm		scale		2:1		size		A3											
tolerance std				TOLERANCES UNLESS OTHERWISE SPECIFIED				eng				Rocky Huang	2024/07/24		ecn no																
								rvwr				Johnny Wang	2024/07/24																		
								appr				LY Yi	2024/07/24		amphenol-icc.com				rel level Released												
surface ✓				linear		0.X		± 0.30		projection		title		HYPER COOL EDGE						dwg no		C HE2GI56I0VI00IX						rev		A	
						0.XX		± 0.25																							
						0.XXX		± 0.20																							
				angular		0°		± 5°						GEN6, VERTICAL, I56S2P, CONN						cat. no.											
										product family																sheet 1 of 2					

CONNECTOR PIN ASSIGNMENT

SIDE B		SIDE A	
EB1	OPTIONAL	OPTIONAL	EA1
EB2	OPTIONAL	OPTIONAL	EA2
EB3	OPTIONAL	OPTIONAL	EA3
EB4	OPTIONAL	OPTIONAL	EA4
EB5	OPTIONAL	OPTIONAL	EA5
EB6	OPTIONAL	OPTIONAL	EA6
EB7	OPTIONAL	OPTIONAL	EA7
EB8	OPTIONAL	OPTIONAL	EA8
EB9	OPTIONAL	OPTIONAL	EA9
EB10	OPTIONAL	OPTIONAL	EA10
EB11	OPTIONAL	OPTIONAL	EA11
EB12	OPTIONAL	OPTIONAL	EA12
EB13	OPTIONAL	OPTIONAL	EA13
EB14	OPTIONAL	OPTIONAL	EA14
MECHANICAL KEY			
PB1	OPTIONAL	OPTIONAL	PA1
EB15	OPTIONAL	OPTIONAL	EA15
EB16	OPTIONAL	OPTIONAL	EA16
EB17	OPTIONAL	OPTIONAL	EA17
EB18	OPTIONAL	OPTIONAL	EA18
EB19	OPTIONAL	OPTIONAL	EA19
EB20	OPTIONAL	OPTIONAL	EA20
EB21	OPTIONAL	OPTIONAL	EA21
EB22	OPTIONAL	OPTIONAL	EA22
EB23	OPTIONAL	OPTIONAL	EA23
EB24	GND	GND	EA24
EB25	SIGNAL	SIGNAL	EA25
EB26	SIGNAL	SIGNAL	EA26
EB27	GND	GND	EA27
EB28	SIGNAL	SIGNAL	EA28
EB29	SIGNAL	SIGNAL	EA29
EB30	GND	GND	EA30
EB31	SIGNAL	SIGNAL	EA31
EB32	SIGNAL	SIGNAL	EA32
EB33	GND	GND	EA33
EB34	SIGNAL	SIGNAL	EA34
EB35	SIGNAL	SIGNAL	EA35
EB36	GND	GND	EA36
MECHANICAL KEY			

MECHANICAL KEY			
EB37	GND	GND	EA37
EB38	SIGNAL	SIGNAL	EA38
EB39	SIGNAL	SIGNAL	EA39
EB40	GND	GND	EA40
EB41	SIGNAL	SIGNAL	EA41
EB42	SIGNAL	SIGNAL	EA42
EB43	GND	GND	EA43
EB44	SIGNAL	SIGNAL	EA44
EB45	SIGNAL	SIGNAL	EA45
EB46	GND	GND	EA46
EB47	SIGNAL	SIGNAL	EA47
EB48	SIGNAL	SIGNAL	EA48
EB49	GND	GND	EA49
EB50	OPTIONAL	OPTIONAL	EA50
MECHANICAL KEY			
EB51	GND	GND	EA51
EB52	SIGNAL	SIGNAL	EA52
EB53	SIGNAL	SIGNAL	EA53
EB54	GND	GND	EA54
EB55	SIGNAL	SIGNAL	EA55
EB56	SIGNAL	SIGNAL	EA56
EB57	GND	GND	EA57
EB58	SIGNAL	SIGNAL	EA58
EB59	SIGNAL	SIGNAL	EA59
EB60	GND	GND	EA60
EB61	SIGNAL	SIGNAL	EA61
EB62	SIGNAL	SIGNAL	EA62
EB63	GND	GND	EA63
EB64	SIGNAL	SIGNAL	EA64
EB65	SIGNAL	SIGNAL	EA65
EB66	GND	GND	EA66
EB67	SIGNAL	SIGNAL	EA67
EB68	SIGNAL	SIGNAL	EA68
EB69	GND	GND	EA69
EB70	SIGNAL	SIGNAL	EA70
EB71	SIGNAL	SIGNAL	EA71
EB72	GND	GND	EA72
EB73	SIGNAL	SIGNAL	EA73
EB74	SIGNAL	SIGNAL	EA74
EB75	GND	GND	EA75
EB76	OPTIONAL	OPTIONAL	EA76
EB77	OPTIONAL	OPTIONAL	EA77
EB78	OPTIONAL	OPTIONAL	EA78



HE2GI56I0VI0015	0.38 GXT
HE2GI56I0VI0014	0.76 GXT
HE2GI56I0VI0013	GOLD FLASH
HE2GI56I0VI0012	0.38 um Au
HE2GI56I0VI0011	0.76 um Au
PART NUMBER	PLATING SPEC
PART NUMBER LIST TABLE	

- NOTE:
- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC BLACK UL94-V0.
CONTACT: COPPER ALLOY
BOARD LOCK: COPPER ALLOY
 - PLATING:
CONTACT: MATING AREA: REFER TO PART NUMBER LIST TABLE OVER 1.27um MIN NICKEL UNDERPLATED
SOLDER AREA: 1.27um MIN MATTE TIN OVER 1.27um MIN NICKEL UNDERPLATED
BOARD LCOK: 1.27um MIN MATTE TIN OVER 1.27um MIN NICKEL UNDERPLATED
 - ELECTRICAL PERFORMANCE:
RATED CURRENT: 1.1A/PIN UP TO 12PINS
LLCR: DELTA 15mΩ MAX
INSULATION RESISTANCE: 1000MΩ MIN.
 - DIMENSIONS WITH NUMBERING"#" MARKED SHOULD BE CHECKED IN PROCESS CONTROL (AT LEAST, NOT LIMITED TO).
 - DIMENSIONS WITH "CP" MARKED AS CRITICAL PARAMETER SHOULD BE MEETING CPK≥1.33.
 - CONNECTOR IS ROHS COMPLIANT.
 - CONNECTOR PIN ASSIGNMENT REFER TO PAGE 3
 - POSITIONS DESIGNATED AS "SIGNAL" ARE REQUIRED LOCATIONS FOR HIGH SPEED DIFFERENTIAL PAIR .
SIGNALING;POSITIONS DESIGNATED AS "GROUND" ARE REQUIRED WHEN SUPPORTING HIGH SPEED DIFFERENTIAL SIGNAL; POSITIONS DESIGNATED AS "OPTIONAL" ARE REQUIRED LOCATIONS FOR POWER OR SIDE BAND.
 - ORDERING PART NUMBER REFER TO PART NUMBER LIST TABLE.

spec ref				dr		Rocky Huang	2024/07/23	Amphenol			mm		scale		2:1	size		A3									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Rocky Huang	2024/07/24				ecn no																
				r vwr		Johnny Wang	2024/07/24				rel level				Released												
				appr		LY Yi	2024/07/24										amphenol-icc.com										
surface		✓		projection				title		HYPER COOL EDGE				dwg no		C HE2GI56I0VI001X				rev		A					
														cat. no.													
														angular		0°		±5 °		product family				sheet 2 of 2			