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The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	EDSR#9326	NON-RELEASE REVISION	07/23/2019	Karen Su
AX2		UPDATE DIMENSION 0.90 3.15, 2.30, 1.60/ADDED 3.20	04/28/2020	Karen Su
AX3		UPDATE DRAWING	06/29/2020	Karen Su
AX4	EDSR#11192	UPDATE DRAWING	06/24/2021	Karen Su

NOTES:

1. MATERIAL:

INSULATOR: HIGH TEMPERATURE THERMAL PLASTIC, LCP, UL94V-0, COLOR: BLACK.

CONTACT: COPPER ALLOY.

SHELL: STAINLESS.

2. FINISH:

CONTACT:

CONTACT AREA: SELECTED GOLD PLATING THICKNESS MIN.;

SOLDERING AREA: MATTE TIN PLATING 100μ" THICKNESS MIN.;

UNDER PLATING: NICKEL PLATING 50μ" THICKNESS MIN. OVERALL.

SHELL:

UNDER PLATING: NICKEL PLATING 50μ" THICKNESS MIN. OVERALL.

3. PRODUCT SPECIFICATION REFER TO : PS-7773.

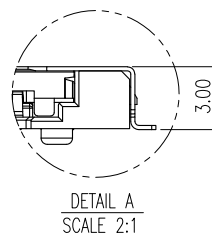
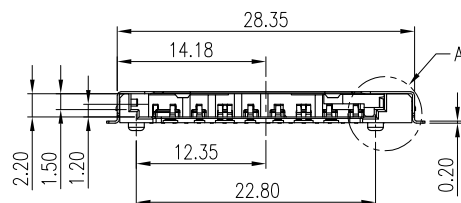
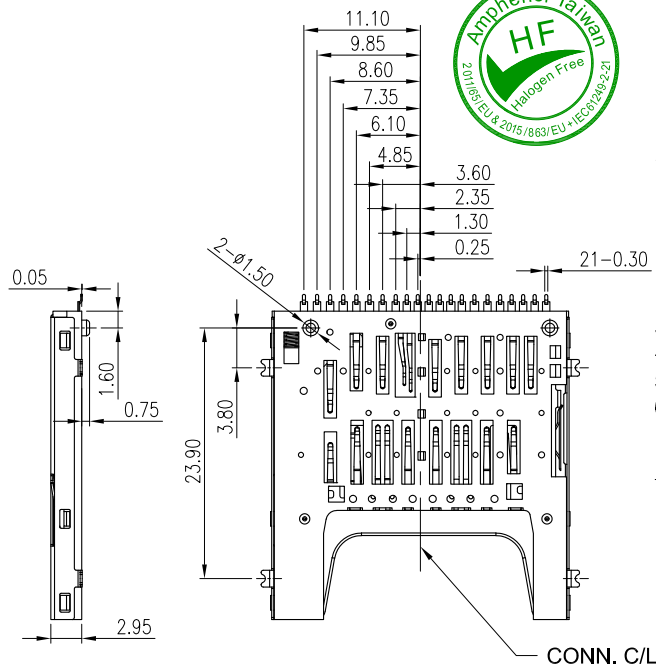
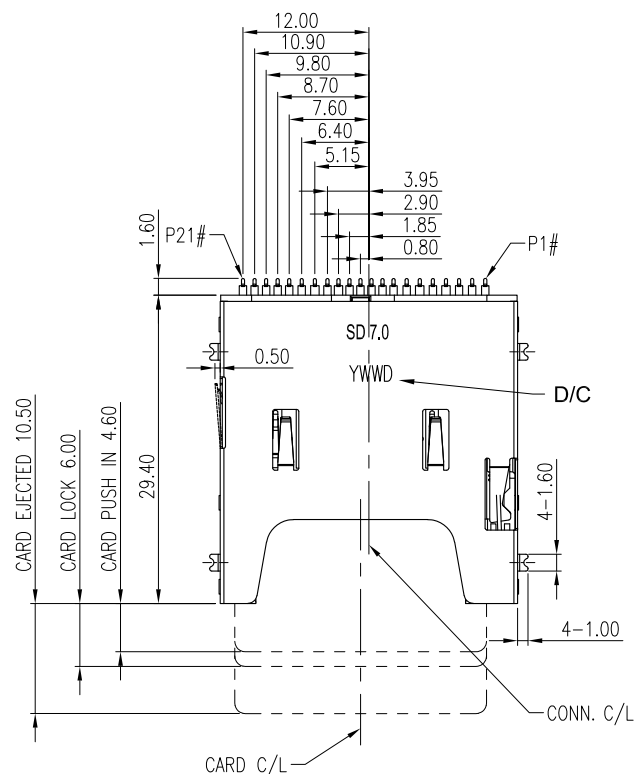
4. TEST SUMMARY REFER TO : TS-7773-001.

5. BEFORE IR REFLOW, COPLANARITY OF SOLDER PINS 0.10MM MAX.

6. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS PER DIRECTIVE 2011/65/EU FOR RoHS COMPLIANT.

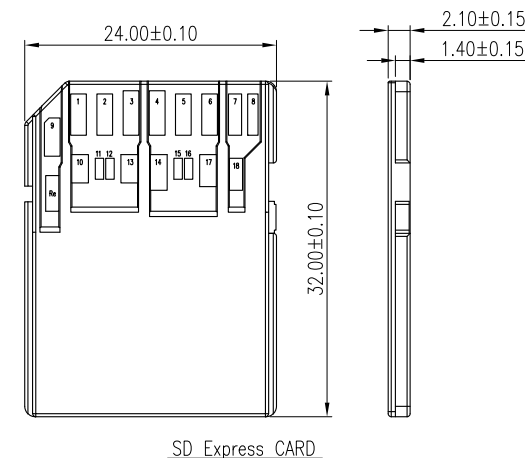
OR PER IEC 61249-2-21 FOR HALOGEN-FREE COMPLIANT.

7. DO NOT ADD OBJECT TO THE SHELL, SUCH AS CONDUCTIVE SPONGE.



PART NO. GSD21001 X 7BHR

CONTACT FINISH
0: GOLD FLASH



CARD DETECT	8#	9#	8#	9#
	CARD OUT	CARD INSERT		
WRITE PROTECT	21#	GND	21#	GND#
	WRITE PROTECTED	WRITE ENABLE		

TOLERANCE		APPROVALS		DATE	TITLE SD EXPRESS CARD CONN. GSD 7.0 SERIES, SMT, PUSH-PUSH TYPE NORMAL OPEN, WITH POST	Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X.		DRAWN	Karen Su	06/24/2021					
X.X	±0.30	CHECKED	Aqua Chou	06/24/2021					
X.XX	±0.20	APPROVED	Roger Tsai	06/24/2021					
X.XXX	±0.10	DWG TYPE	CUST DWG	PROJECT CODE	OTHER	UNIT	mm	SIZE	A3
ANGULAR	±1°					SCALE	NA	SHEET	1 OF 3
UNLESS OTHERWISE SPECIFIED						PART No.		GSD21001X7BHR	
						DWG No.		GSD21001X7BHR	
						REV.		AX4	

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PIN ASSIGNMENT:

PIN#	NAME	DESCRIPTION	CARD PAD#	PIN#	NAME	DESCRIPTION	CARD PAD#
1	VSS3	Supply voltage ground	10	12	VDD	Supply voltage	4
2	/	Reserved	Re	13	PCle_Rx-	/	15
3	DAT2	Data Line(Bit 2)	9	14	CLK	Clock	5
4	PCle_Tx+	/	11	15	PCle_Rx+	/	16
5	CD/DAT3	Card Detect/Data Line(Bit 3)	1	16	VSS2	Supply voltage ground	6
6	PCle_Tx-	/	12	17	VSS5	Supply voltage ground	17
7	CMD	Command/Response	2	18	DAT0	Data Line(Bit 0)	7
8	CD	Card Detect	3	19	DAT1	Data Line(Bit 1)	8
9	VSS1	Supply voltage ground	3	20	VDD3	Supply voltage(1.2V)-TBD ⁽²⁾	18
10	VSS4	Supply voltage ground	13	21	WP	Write protect	
11	VDD2	Supply voltage (1.8V)	14				

▨ PAD AREA
▩ TRAC AND VIA
KEEP OUT AREA

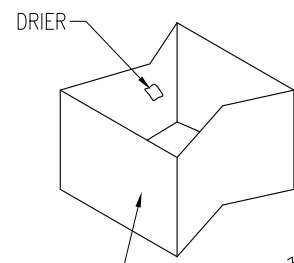
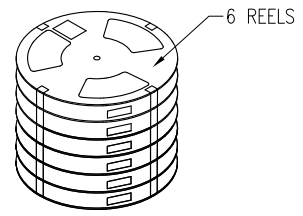
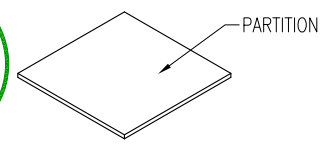
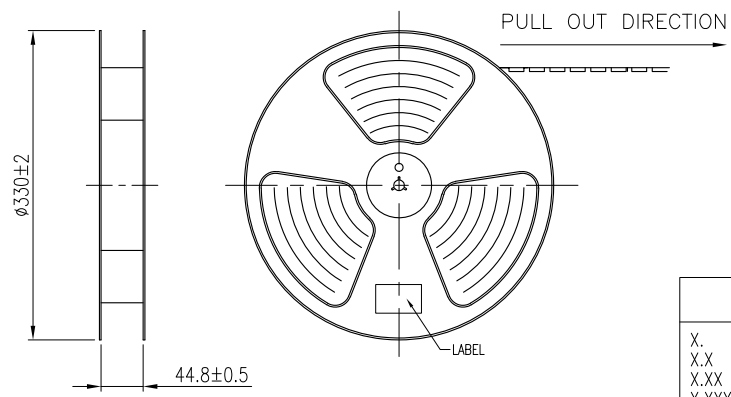
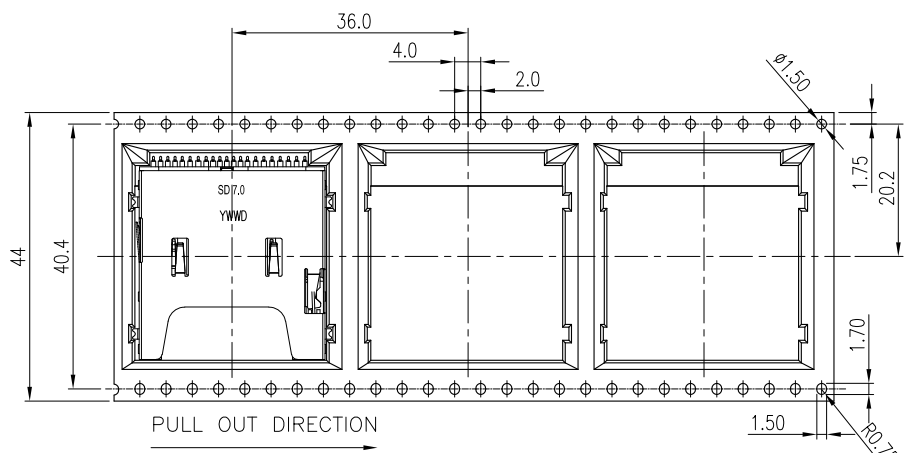
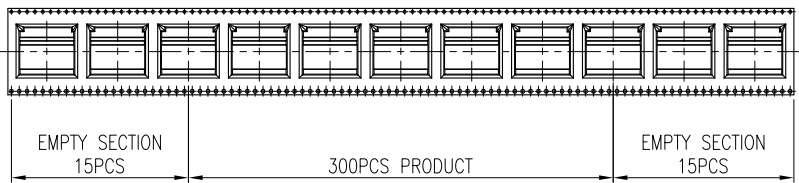
TOLERANCE		APPROVALS		DATE	TITLE SD EXPRESS CARD CONN. GSD 7.0 SERIES, SMT, PUSH-PUSH TYPE NORMAL OPEN, WITH POST	Amphenol [®] Amphenol Corporation Amphenol Taiwan Corporation			
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X.X	±0.30	CHECKED	Aqua Chou	06/24/2021					
X.XX	±0.20	APPROVED	Roger Tsai	06/24/2021					
X.XXX	±0.10	DWG TYPE	CUST DWG	PROJECT CODE	OTHER	UNIT	mm	SIZE	A3
ANGULAR	±1°					SCALE	NA	SHEET	2 OF 3
UNLESS OTHERWISE SPECIFIED								PART No.	GSD21001X7BHR
								DWG No.	GSD21001X7BHR
								REV.	AX4

RECOMMEND PC BOARD LAYOUT
TOLERANCE:±0.05mm

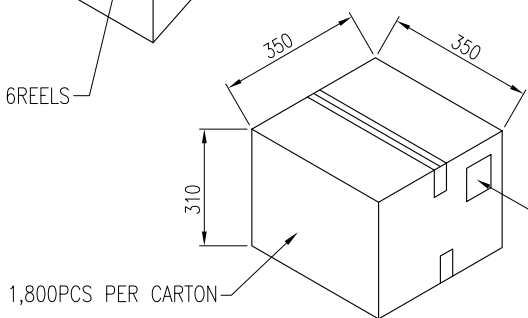
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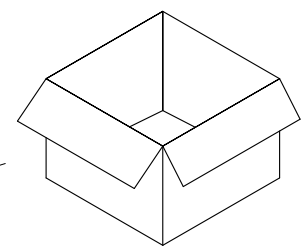
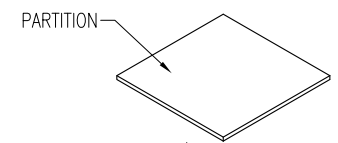
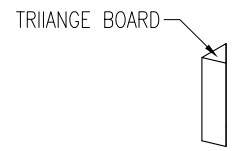
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PE BAG PER 6REELS



1,800PCS PER CARTON



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X.X	±0.30	CHECKED	Aqua Chou	06/24/2021								
X.XX	±0.20											
X.XXX	±0.10											
ANGULAR	±1°	APPROVED	Roger Tsai	06/24/2021		UNIT	mm	SIZE	A3	PART No.	GSD21001X7BHR	
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE OTHER		SCALE	NA	SHEET	3 OF 3	DWG No.	GSD21001X7BHR	REV. AX4