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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.



FOR REFERENCE ONLY

REVISIONS			
SYM	ECN No.	DESCRIPTION	DATE BY
AX2		UPDATE DIMENSION 0.90 3.15, 2.30, 1.60/ADDED 3.20	2020-04-28 Karen Su
AX3		UPDATE DRAWING	2020-06-29 Karen Su
AX4	EDSR#11192	UPDATE DRAWING	2021-06-24 Karen Su
AX5		ADD TRAC AND VIA KEEP OUT AREA DIM.	2021-12-06 Karen Su
AX6		ADD DIM.20.54(C1)/UPDATE CARD LOCK & PUSH IN DIM.(C1) /CHANGED 2-Ø1.55 TO 2-Ø1.55(C4)/UPDATE TOLERANCE(E1~E3) /UPDATE THE LINES OF THE BACK VIEW	2022-04-14 Karen Su
AX7		UPDATE DIM.0.50(C1)&20.54(C1)&1.40(D8) UPDATE PRODUCT APPEARANCE	2022-07-05 Karen Su

NOTES:

1. MATERIAL:

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

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

TERMINAL: COPPER ALLOY.

SHELL: STAINLESS.

SPRING: SWP-B.

PUSH HOOK: STAINLESS.

2. FINISH:

TERMINAL:

CONTACT AREA: SELECTED GOLD PLATING THICKNESS MIN.;

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

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

SHELL:

SOLDERABLE NICKEL 50μ" THICKNESS MIN.OVERALL

3. PRODUCT SPECIFICATION REFER TO : PS-7773.

4. TEST SUMMARY REFER TO : TS-7773.

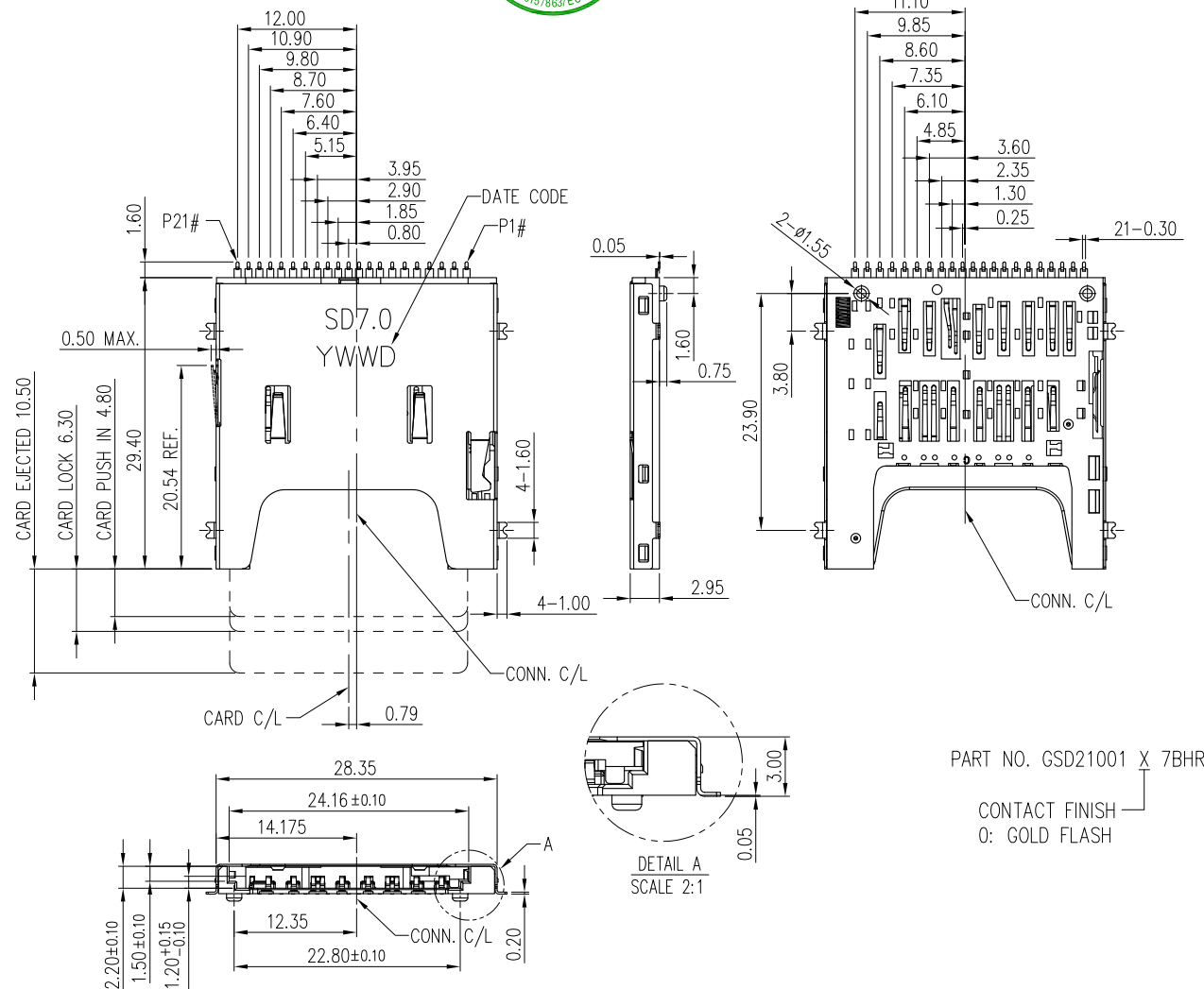
5. BEFORE IR REFLOW, COPLANARITY OF SOLDER PINS 0.10MM MAX.

6. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS

PER DIRECTIVE 2011/65/EU FOR RoHS COMPLIANT.

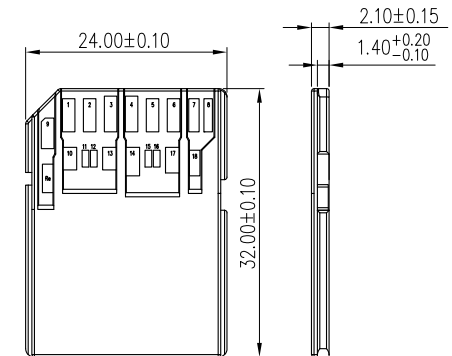
OR PER IEC 61249-2-21 FOR HALOGEN-FREE COMPLIANT.

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



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.			
X. ±0.30	DRAWN Karen Su	2022-07-05			GSD 7.0 SERIES, SMT, PUSH-PUSH TYPE NORMAL OPEN, WITH POST			
X.XX ±0.20	CHECKED Joseph Jiang	2022-07-05						
X.XXX ±0.10	APPROVED Roger Tsai	2022-07-05						
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE OTHER	UNIT mm	SIZE A3	PART No.	GSD21001X7BHR		
UNLESS OTHERWISE SPECIFIED			SCALE NA	SHEET 1 OF 3	DWG No.	GSD21001X7BHR		REV. AX7



SD Express CARD

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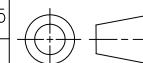
PIN ASSIGNMENT:

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			
X.		DRAWN	Karen Su	2022-07-05					
X.X	±0.30	CHECKED	Joseph Jiang	2022-07-05					
X.XX	±0.20	APPROVED	Roger Tsai	2022-07-05					
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.		AX7	

RECOMMEND PC BOARD LAYOUT
TOLERANCE:±0.05mm



UNIT mm
SCALE NA

SIZE A3
SHEET 2 OF 3

PART No. GSD21001X7BHR

DWG No. GSD21001X7BHR

REV. AX7

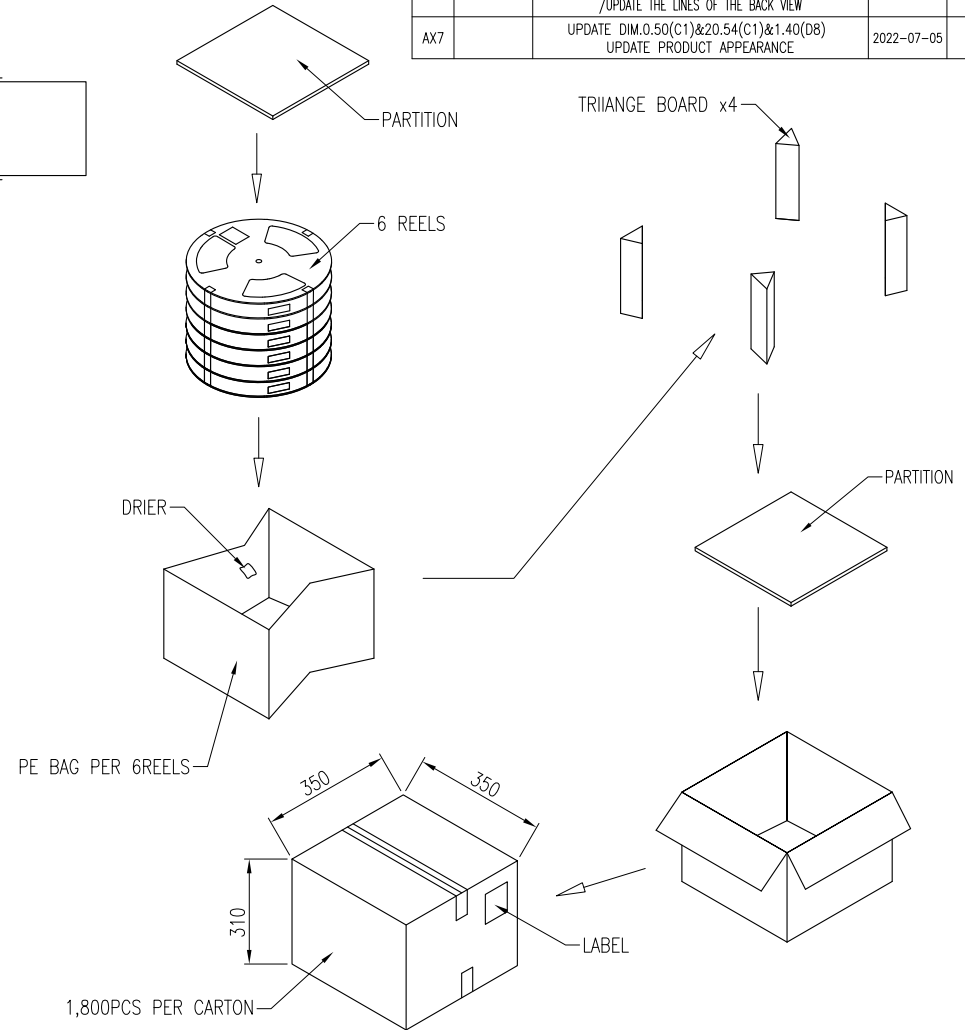
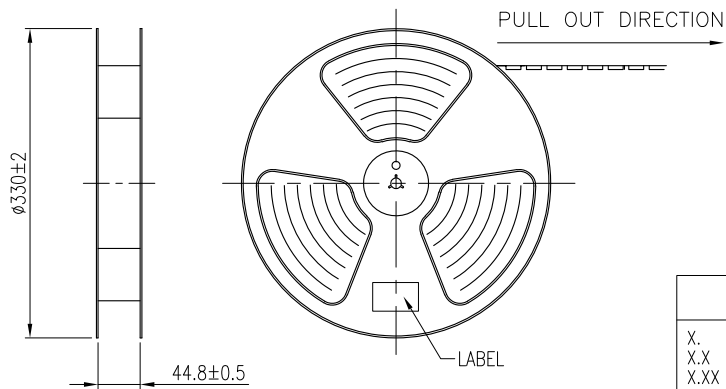
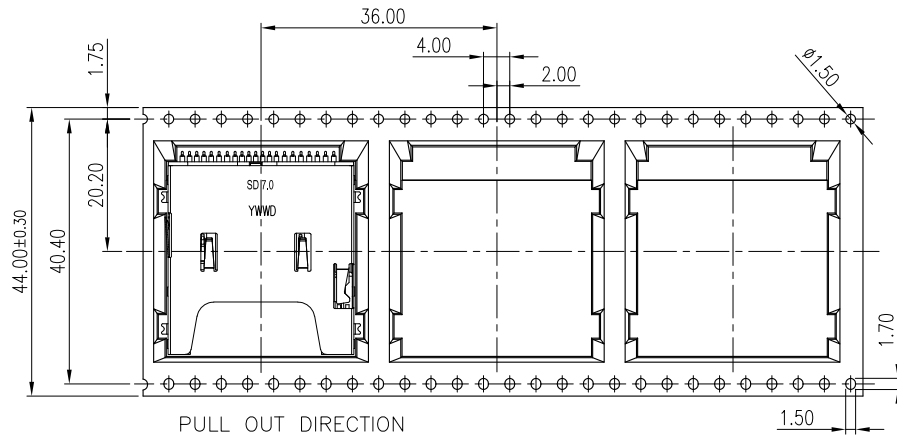
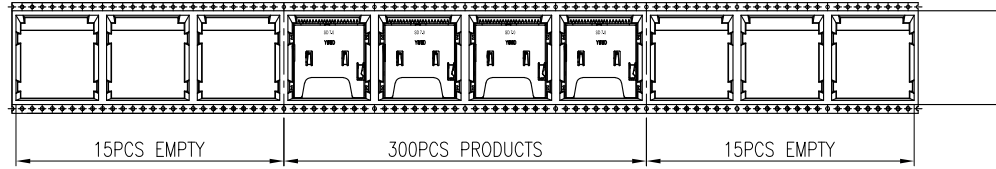
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X.		DRAWN	Karen Su	2022-07-05	SD EXPRESS CARD CONN. GSD 7.0 SERIES, SMT, PUSH-PUSH TYPE NORMAL OPEN, WITH POST		Amphenol Corporation Amphenol Taiwan Corporation		
X.X	±0.30	CHECKED	Joseph Jiang	2022-07-05					
X.XX	±0.20	APPROVED	Roger Tsai	2022-07-05			Part No. GSD21001X7BHR		
X.XXX	±0.10	DWG TYPE	CUST DWG	PROJECT CODE	OTHER	UNIT	mm	SIZE	A3
ANGULAR	±1°					SCALE	NA	SHEET	3 OF 3
UNLESS OTHERWISE SPECIFIED								DWG No.	GSD21001X7BHR
								REV.	AX7