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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.



ORIGINAL



REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
A	NE-17110	RELEASE TO PRODUCTION	2017-05-24	Aqua Chou
B	NE-20048	ADD STAND OFF TO 0.3mm	2020-03-31	Sandy Wu
C	NE-21099	MISTAKE CAP DIM, ADD D/C, PIN WIDTH, ADD SOLDER AREA PLATING INFORMATION, UPDATED THE TUBE VIEWER AND THE HOLE FOR RECOMMENDED PCB LAYOUT	2021-10-15	Sandy Wu

NOTES:

- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, NYLON4T, UL94V-0
COLOR: NATURAL.
TERMINAL: COPPER ALLOY.
- FINISH:
TERMINAL:
CONTACT AREA: SELECTIVE GOLD OR MATTE TIN PLATING THICKNESS MIN.;
SOLDERING AREA: GOLD FLASH OR 100 μm MATTE TIN PLATING THICKNESS MIN.
UNDER PLATING: NICKEL PLATING 50 μm THICKNESS MIN. OVERALL.
- PRODUCT SPECIFICATION REFER TO : PS-7613.
- RECOMMENDED MATE WITH G875H2XXX1SHR/G875CXX1X2SEU.
- PACKING IS PER AMTA PACKING SPECIFICATION PKS-0001.
- THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS PER DIRECTIVE 2011/65/EU & 2015/863/EU FOR RoHS COMPLIANT AND PER IEC 61249-2-21 FOR HALOGEN-FREE COMPLIANT.

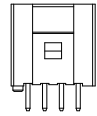
PART NO. G861 XX X 1 X S1HR

NO. OF POSITION TAIL(DIM C)/ PKG

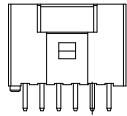
CONTACT FINISH/SOLDER AREA PLATING

1: 100 μm MATTE TIN/100 μm MATTE TIN
2: GOLD FLASH/GOLD FLASH
3: 5 μm GOLD/100 μm MATTE TIN
4: 15 μm GOLD/100 μm MATTE TIN
5: 30 μm GOLD/100 μm MATTE TIN

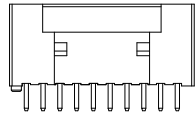
1: 3.10/ TUBE
2: 2.20/ TUBE
A: 3.10/ T&R
B: 2.20/ T&R



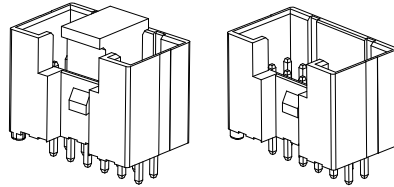
8P~10P



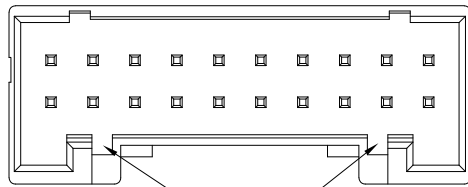
12P~18P



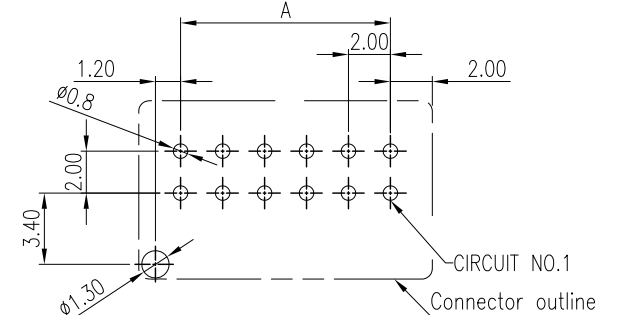
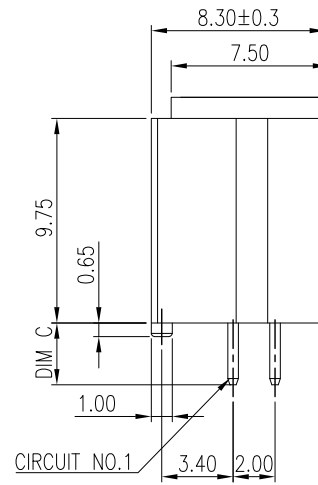
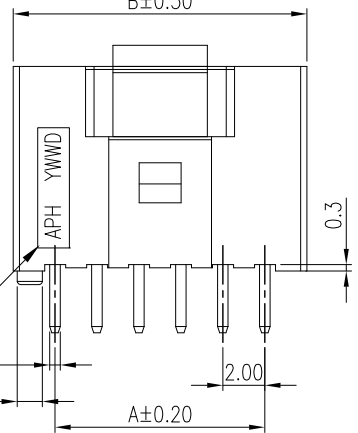
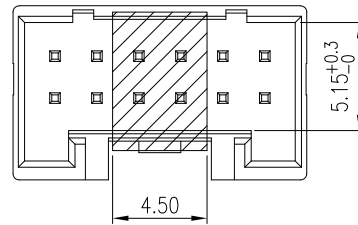
20P~40P



WITH CAP



8P~14P WITHOUT GUIDEWAY
16P~40P WITH GUIDEWAY



RECOMMENDED PCB LAYOUT
ALL TOLERANCE ARE ±0.05

NO. OF POSITION	Dimensions (mm)	
	A	B
2*04	6.00	10.00
2*05	8.00	12.00
2*06	10.00	14.00
2*07	12.00	16.00
2*08	14.00	18.00
2*09	16.00	20.00
2*10	18.00	22.00
2*11	20.00	24.00
2*12	22.00	26.00
2*13	24.00	28.00
2*14	26.00	30.00
2*15	28.00	32.00
2*16	30.00	34.00
2*17	32.00	36.00
2*18	34.00	38.00
2*19	36.00	40.00
2*20	38.00	42.00

Date Code

TOLERANCE		APPROVALS		DATE	TITLE		Amphenol®			
X.		DRAWN		Sandy Wu	G861 SERIES, PROTECTED		Amphenol Corporation Amphenol Taiwan Corporation			
X.X	±0.30	CHECKED		Debby Hung	HEADER, 2.00 PITCH					
X.XX	±0.20	APPROVED		Roger Tsai	STRAIGHT, PCB MOUNT		UNIT	mm	SIZE	A3
X.XXX	±0.10	DWG TYPE		CUST DWG	PROJECT CODE	PHD	SCALE	NA	SHEET	1 OF 3
ANGULAR	±1°	UNLESS OTHERWISE SPECIFIED							PART No.	G861XXX1XS1HR
									DWG No.	G861XXX1XS1HR
									REV.	C

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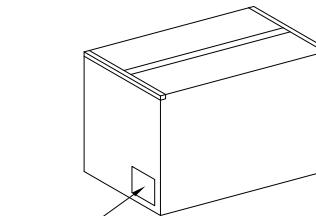
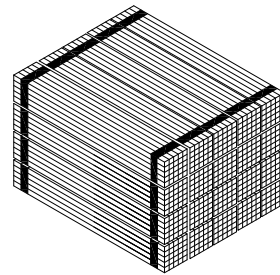
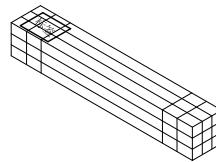
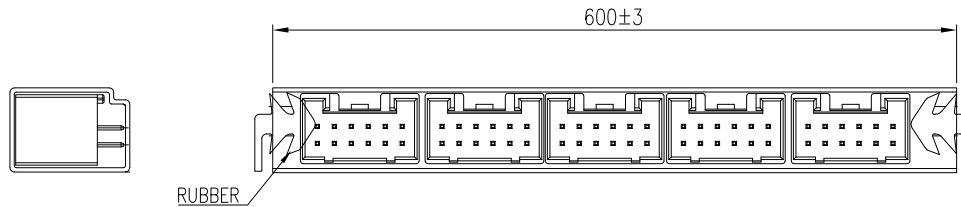
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SHIPPING CARTON
SIZE: 600X200X180MM

POS.	PCS/TUBE	TUBE/CARTON	PCS/CARTON
2x04	58	9X14=126	7308
2x05	48	9X14=126	6048
2x06	41	9X14=126	5166
2x07	36	9X14=126	4536
2x08	32	9X14=126	4032
2x09	29	9X14=126	3654
2x10	26	9X14=126	3276
2x11	24	9X14=126	3024
2x12	22	9X14=126	2772
2x13	20	9X14=126	2520
2x14	19	9X14=126	2394
2x15	18	9X14=126	2268
2x16	17	9X14=126	2142
2x17	16	9X14=126	2016
2x18	15	9X14=126	1890
2x19	14	9X14=126	1764
2x20	13	9X14=126	1638

TOLERANCE		APPROVALS		DATE	TITLE		Amphenol®		
X.		DRAWN	Sandy Wu	2021-10-15	G861 SERIES, PROTECTED HEADER, 2.00 PITCH STRAIGHT, PCB MOUNT		Amphenol Corporation Amphenol Taiwan Corporation		
X.X	±0.30	CHECKED	Debby Hung	2021-10-15					
X.XX	±0.20	APPROVED	Roger Tsai	2021-10-15					
X.XXX	±0.10	DWG TYPE		PROJECT CODE	UNIT		SIZE	PART No.	
ANGULAR	±1°	CUST DWG		PHD	mm		A3	G861XXX1XS1HR	
UNLESS OTHERWISE SPECIFIED					SCALE		SHEET	DWG No.	
					NA		2 OF 3	G861XXX1XS1HR	
								REV. C	

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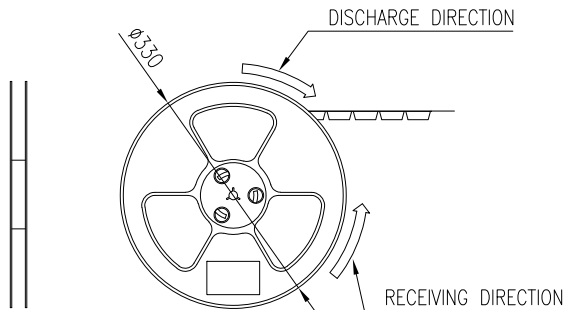
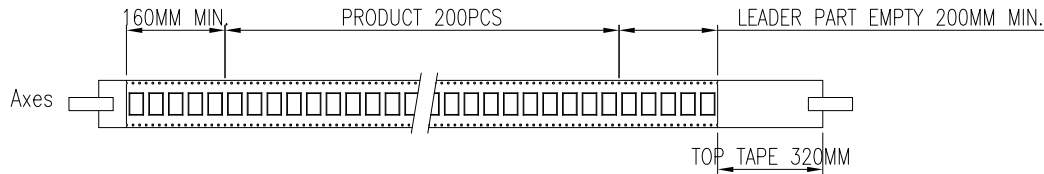
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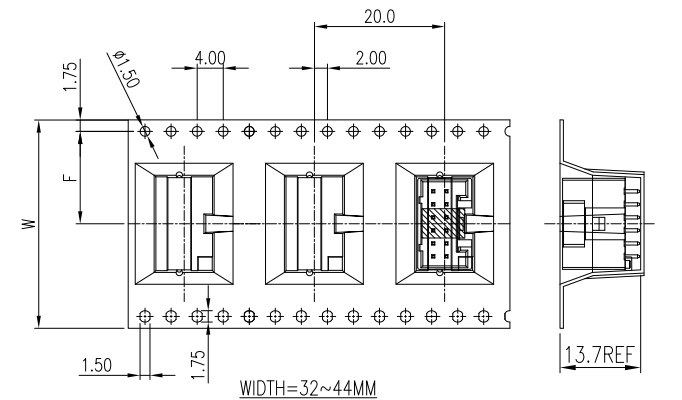
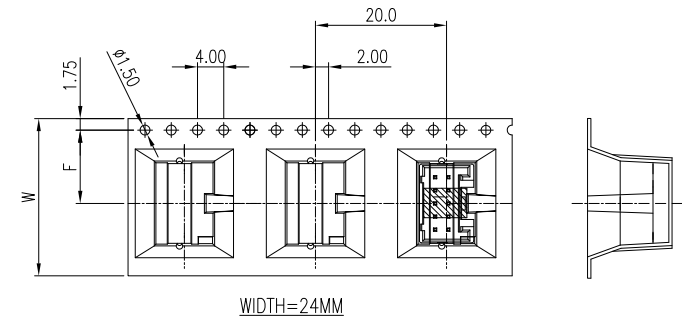
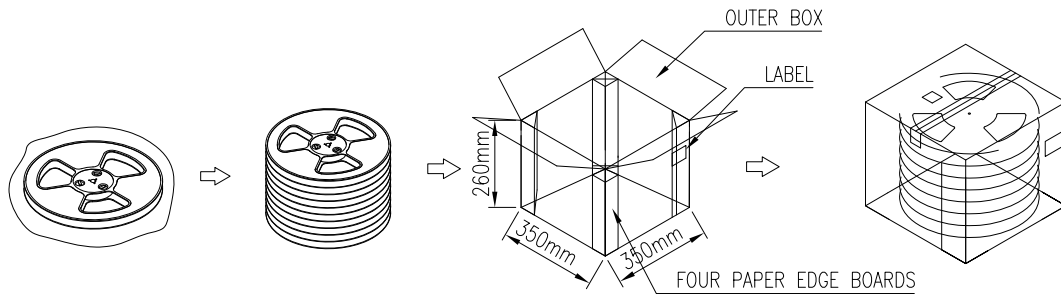
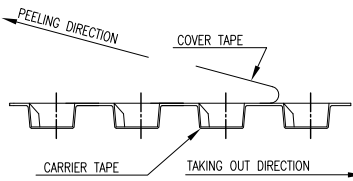
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COVER TAPE PEEL STRENGTH:20~120g
PEEL SPEED:300mm/minute



2X16=32~2X20=40	56	26.2	200	4R	800
2X10=20~2X15=30	44	20.2	200	4R	800
2X06=12~2X09=18	32	14.2	200	6R	1200
2X04=08~2X05=10	24	11.5	200	8R	1600
PIN NO.	W	F	REEL /PCS	CARTON /R	CARTON /PCS

TOLERANCE	APPROVALS	DATE	TITLE			Amphenol®		
X. ±0.30	DRAWN Sandy Wu	2021-10-15	G861 SERIES, PROTECTED HEADER, 2.00 PITCH STRAIGHT, PCB MOUNT			Amphenol Corporation Amphenol Taiwan Corporation		
X.X ±0.20	CHECKED Debby Hung	2021-10-15						
X.XXX ±0.10	APPROVED Roger Tsai	2021-10-15						
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE PHD	UNIT mm	SCALE NA	SIZE A3	PART No. G861XXX1XS1HR		
UNLESS OTHERWISE SPECIFIED			SHEET 3 OF 3	DWG No. G861XXX1XS1HR		REV. C		