

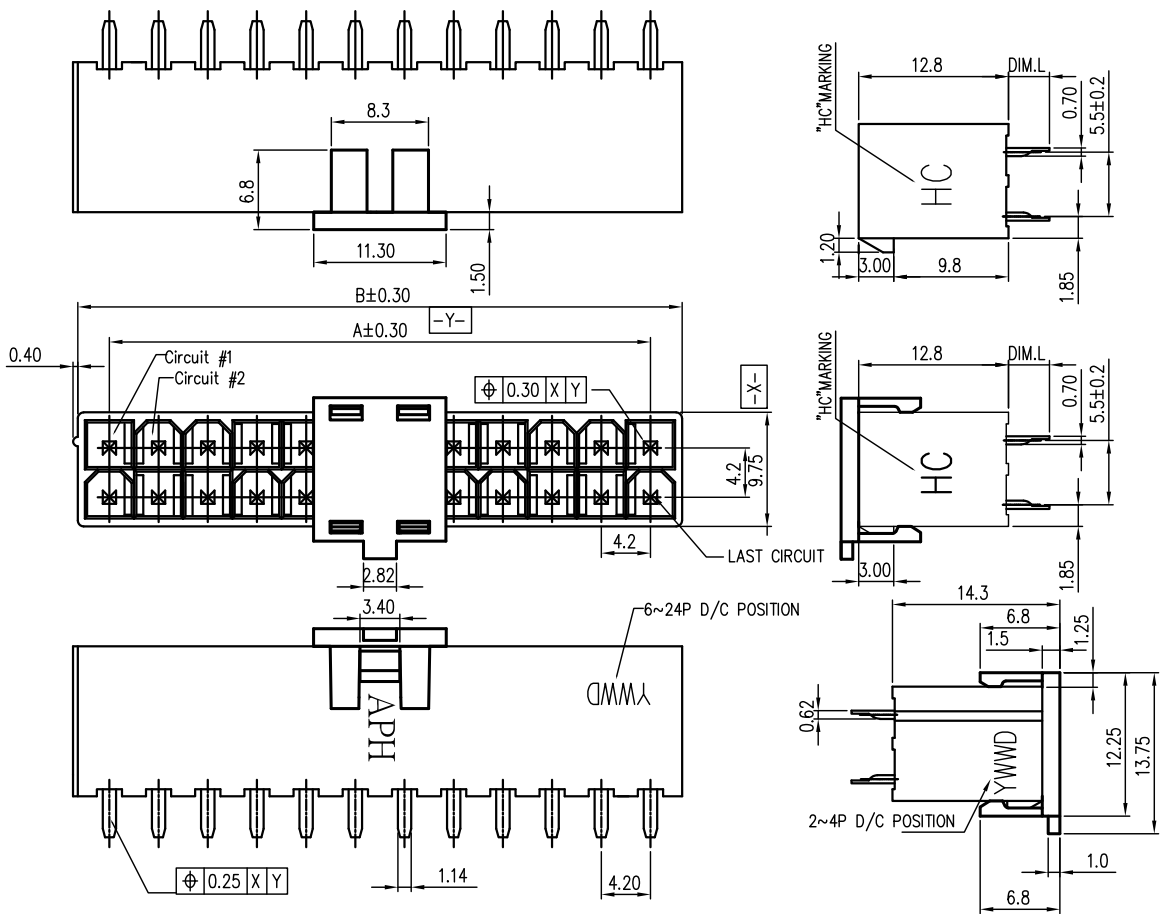
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FOR REFERENCE ONLY

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A	NE-16091	RELEASE FOR ROHS	04/19/2016	Arron Lin
B	NE-17227	UPDATE T&R PACKAGE/ADD CAP VIEW/ADD BLUE OPTION	08/24/2017	Roger Tsai
C	NE-18169	UPDATE CAP	08/10/2018	Roger Tsai
DX1	NE-18573	UPDATE CAP DIMENSION	11/01/2018	Roger Tsai
DX2	NE-18573	MODIFIED DIM.C TO DIM.L	01/07/2019	Roger Tsai
DX3	EDSR#9177	UPDATE CAP DIMENSION 11.3 *13.75 & PLATING DEFINE	05/09/2019	Roger Tsai

- NOTES:
- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, OPTIONS, UL94V-0, COLOR: OPTIONS.
TERMINAL: HIGH PERFORMANCE COPPER ALLOY.
CAP: HIGH TEMPERATURE THERMAL PLASTIC, LCP, UL94V-0, COLOR: BLACK
 - FINISH:
TERMINAL:
CONTACT AREA: SELECTIVE PLATING;
SOLDERING AREA: GOLD OR 100 μ " MATTE TIN PLATING;
UNDER PLATING: NICKEL PLATING 50 μ " THICKNESS MIN. OVERALL
 - THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS PER DIRECTIVE 2011/65/EU FOR ROHS COMPLIANT.
 - PRODUCT SPECIFICATION REFER TO : PS-7529
 - TO ENSURE CURRENT RATING CAPABILITY, PLEASE ADOPT TOTAL SOLUTION.
(G87MPH CABLE HOUSING SERIES WITH G87MPC CABLE TERMINAL SERIES)



G87MPXX1 X 0 X X HR

SEE TABLE

CONTACT/ SOLDERING FINISH

0: FLASH GOLD (OVERALL)

2: 100 μ " Tin PLATED (OVERALL)

4: 15 μ " GOLD/ 100 μ " MATTE TIN

5: 30 μ " GOLD/ 100 μ " MATTE TIN

TAIL(DIM.L)/ PACKING

1: 1.9mm (TRAY)

C: 3.5mm (TRAY)

P: 3.5mm (T&R)

R: 1.9mm (T&R)

W: 3.5mm (T&R)/(NATURAL)

INSULATOR

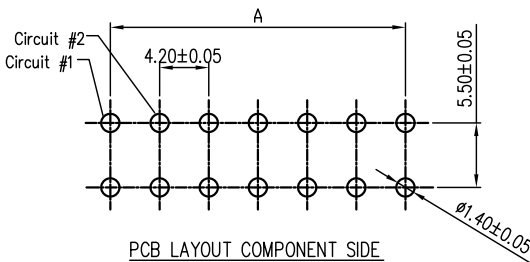
2: UL94V-0 LCP(NATURAL)

5: UL94V-0 LCP(BLACK)

A: UL94V-0 LCP(BLUE)

6: UL94V-0 PA6T(NATURAL)

9: UL94V-0 PA6T(BLACK)



NO.OF POSTION	DIMENSIONS	
	A	B
2		5.40
4	4.20	9.60
6	8.40	13.80
8	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60

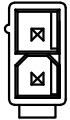
TOLERANCE	DRAWN	APPROVALS	DATE	TITLE		Amphenol®	
X.		Juda Liu	05/09/2019	MINI POWER PLUS CONN.		Amphenol Corporation	
X.X	±0.30			4.2 MM PITCH, HEADER		Amphenol Taiwan Corporation	
X.XX	±0.20	Debby Hung	05/09/2019	STRAIGHT DIP TYPE		PART No. G87MPXX1X0XXHR	
X.XXX	±0.10					DWG No. G87MPXX1X0XXHR	
ANGULAR	±1°	Roger Tsai	05/09/2019			REV. DX3	
UNLESS OTHERWISE SPECIFIED		CUST DWG	PHD				

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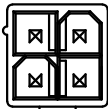
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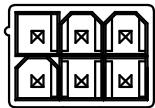
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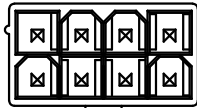
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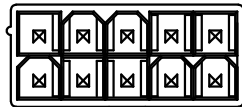
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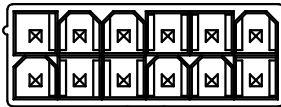
06 POS



08 POS



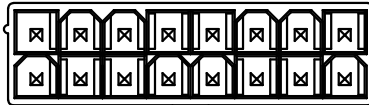
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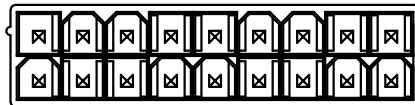
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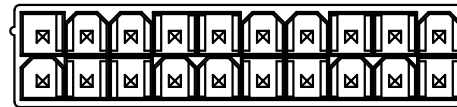
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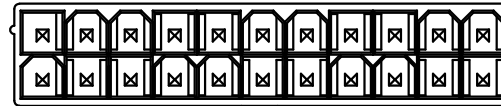
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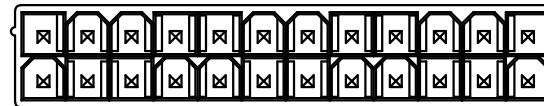
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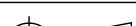
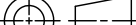
20 POS



22 POS



24 POS

TOLERANCE		DRAWN	APPROVALS	DATE	TITLE			Amphenol®		
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DESIGNED	Juda Liu	05/09/2019	MINI POWER PLUS CONN. 4.2 MM PITCH, HEADER STRAIGHT DIP TYPE			Amphenol Corporation		
		CHECKED	Debby Hung	05/09/2019				Amphenol Taiwan Corporation		
		APPROVED	Roger Tsai	05/09/2019						
ANGULAR ±1°						UNIT mm	SIZE A3	PART No.	G87MPXX1X0XXHR	
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE PHD		SCALE NA	SHEET 2 OF 5	DWG No.	G87MPXX1X0XXHR	REV. DX3

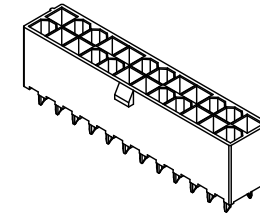
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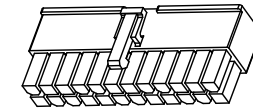
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DX3	EDSR#9177	UPDATE CAP DIMENSION 11.3 *13.75 & PLATING DEFINE	05/09/2019	Roger Tsai

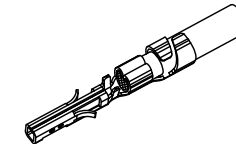
POS.	BOARD-MOUNT P/N	CABLE HOUSING P/N	CABLE TERMINAL P/N	AWG NO.	CABLE TERMINAL PLATING OPTIONS
02	G87MP021X0XXHR	G87MPH02XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
04	G87MP041X0XXHR	G87MPH04XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
06	G87MP061X0XXHR	G87MPH06XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
08	G87MP081X0XXHR	G87MPH08XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
10	G87MP101X0XXHR	G87MPH10XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
12	G87MP121X0XXHR	G87MPH12XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
14	G87MP141X0XXHR	G87MPH14XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
16	G87MP161X0XXHR	G87MPH16XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
18	G87MP181X0XXHR	G87MPH18XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
20	G87MP201X0XXHR	G87MPH20XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
22	G87MP221X0XXHR	G87MPH22XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN
24	G87MP241X0XXHR	G87MPH24XXCEU	G87MPC214XCEU	AWG#22~28	0: FLASH GOLD ; 1: 15u" GOLD ; 2: 30u" GOLD
			G87MPC215XCEU	AWG#18~20	3: 50u" TIN ; 4: 100u" TIN ; 5: 200u" TIN



AMPHENOL BOARD-MOUNT



AMPHENOL CABLE HOUSING



AMPHENOL CABLE TERMINAL

NOTE:
TO ENSURE CURRENT RATING CAPABILITY, PLEASE
ADOPT TOTAL SOLUTION.
(G87MPH CABLE HOUSING SERIES WITH G87MPC
CABLE TERMINAL SERIES)

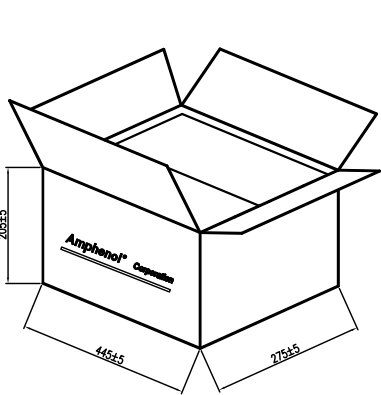
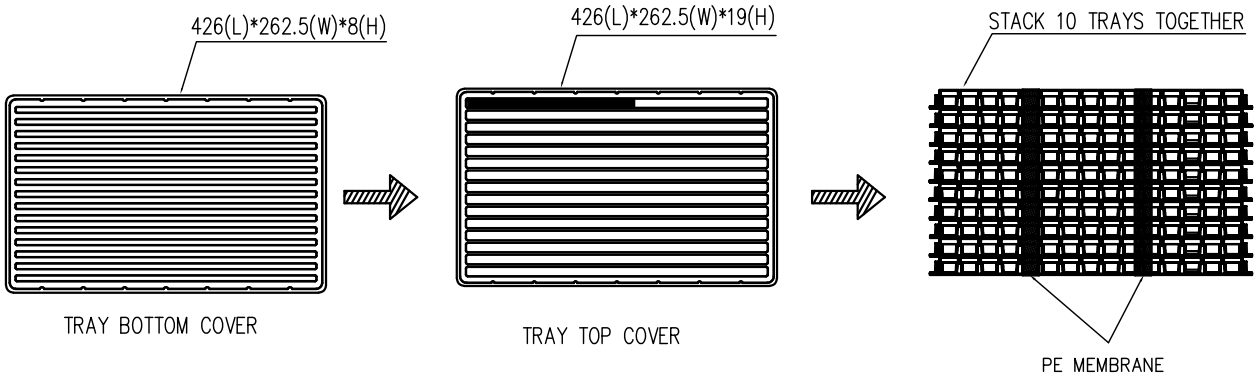
TOLERANCE		DRAWN		APPROVALS		DATE		TITLE				Amphenol®											
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGULAR ±1°		DESIGNED		Juda Liu		05/09/2019		MINI POWER PLUS CONN. 4.2 MM PITCH, HEADER STRAIGHT DIP TYPE 				Amphenol Corporation Amphenol Taiwan Corporation											
		CHECKED		Debby Hung		05/09/2019																	
		APPROVED		Roger Tsai		05/09/2019																	
		DVG TYPE		CUST DWG		PROJECT CODE										PHD							
UNLESS OTHERWISE SPECIFIED								UNIT		mm		SIZE		A3		PART No.		G87MPXX1X0XXHR					
								SCALE		NA		SHEET		3 OF 5		DVG No.		G87MPXX1X0XXHR		REV.		DX3	

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DX2	NE-18573	MODIFIED DIM.C TO DIM.L	01/07/2019	Roger Tsai
DX3	EDSR#9177	UPDATE CAP DIMENSION 11.3 *13.75 & PLATING DEFINE	05/09/2019	Roger Tsai



(10 INSIDE CARTON)

POS	PCS/TRAY	PCS/CARTON
02	1050	10500
04	600	6000
06	420	4200
08	315	3150
10	255	2550
12	225	2250
14	195	1950
16	165	1650
18	150	1500
20	135	1350
22	120	1200
24	105	1050

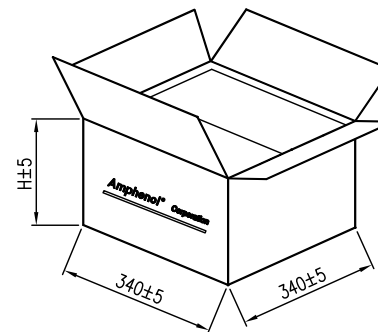
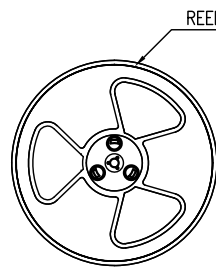
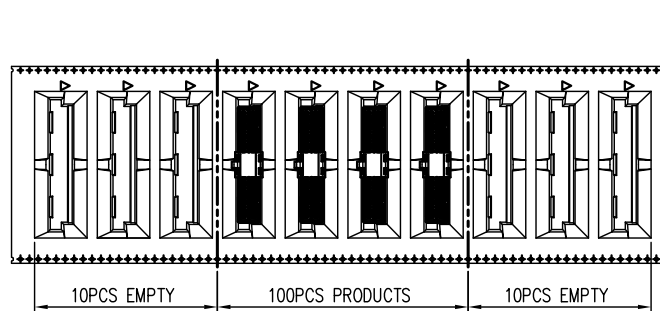
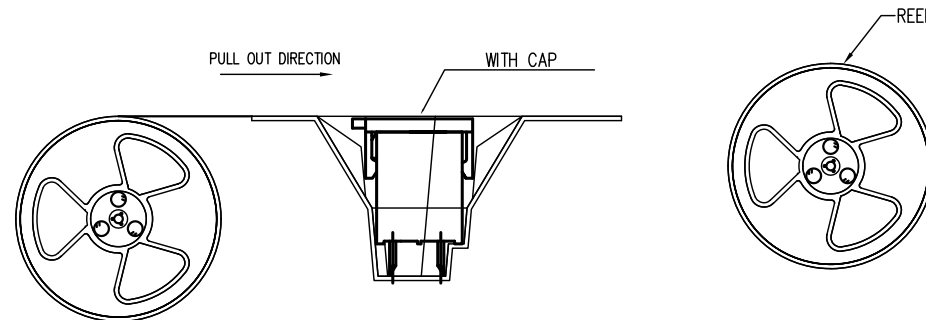
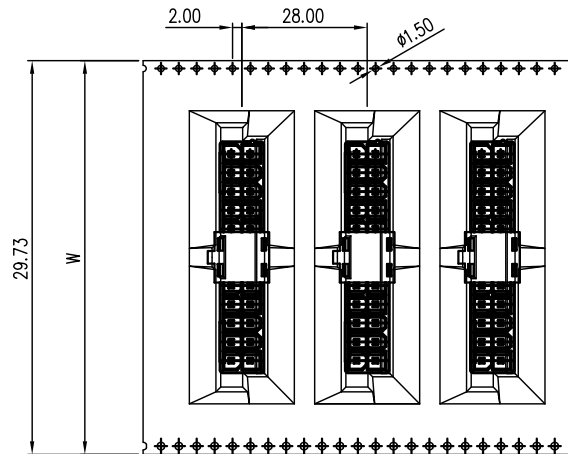
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X.		DESIGNED	Juda Liu	05/09/2019					
X.X	±0.30	CHECKED	Debby Hung	05/09/2019					
X.XX	±0.20	APPROVED	Roger Tsai	05/09/2019					
X.XXX	±0.10						PART No. G87MPXX1X0XXHR		
ANGULAR	±1°	DWG TYPE	CUST DWG	PROJECT CODE			DWG No. G87MPXX1X0XXHR		
UNLESS OTHERWISE SPECIFIED				PHD	UNIT	mm	SIZE	A3	REV. DX3
					SCALE	NA	SHEET	4 OF 5	

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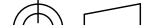
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PCS REEL	REELS CARTON	QUANTITY (PCS)	W	H	POS.
100	5	500	44.0	240	04
100	5	500			06
100	5	500			08
100	4	400			10
100	4	400	56.0	240	12
100	4	400			14
100	3	300			16
100	3	300			18
100	3	300	72.0	240	20
100	3	300			22
100	3	300			24
100	3	300			24

TOLERANCE		DRAWN	APPROVALS	DATE	TITLE			100			5	300		24		
X.		DESIGNED	Juda Liu	05/09/2019	MINI POWER PLUS CONN. 4.2 MM PITCH, HEADER STRAIGHT DIP TYPE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation								
X.X ±0.30																
X.XX ±0.20																
X.XXX ±0.10																
ANGULAR ±1°		CHECKED	Debby Hung	05/09/2019				PART No. G87MPXX1X0XXHR								
		APPROVED	Roger Tsai	05/09/2019				UNIT	mm	SIZE	A3					
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	PHD				SCALE	NA	SHEET	5 OF 5	DWG No.	G87MPXX1X0XXHR	REV.	DX3

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

<u>G87MP08120ACHR</u>	<u>G87MP121202CHR</u>	<u>G87MP221202CHR</u>	<u>G87MP241205CHR</u>	<u>G87MP081205CHR</u>
<u>G87MP021202CHR</u>	<u>G87MP041202CHR</u>	<u>G87MP041202PHR</u>	<u>G87MP061202CHR</u>	<u>G87MP061202PHR</u>
<u>G87MP081202CHR</u>	<u>G87MP101202CHR</u>	<u>G87MP101202PHR</u>	<u>G87MP121202PHR</u>	<u>G87MP141202CHR</u>
<u>G87MP141202PHR</u>	<u>G87MP161202CHR</u>	<u>G87MP161202PHR</u>	<u>G87MP181202CHR</u>	<u>G87MP201202CHR</u>
<u>G87MP241202CHR</u>	<u>G87MP041205PHR</u>	<u>G87MP061205PHR</u>	<u>G87MP081205PHR</u>	<u>G87MP101205PHR</u>
<u>G87MP121205PHR</u>	<u>G87MP141205PHR</u>	<u>G87MP161205PHR</u>	<u>G87MP181205PHR</u>	<u>G87MP201205CHR</u>
<u>G87MP201205PHR</u>	<u>G87MP221205CHR</u>	<u>G87MP221205PHR</u>	<u>G87MP241205PHR</u>	