

May 23, 2025

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TO: Whom It May Concern

FROM: Amphenol PCD Core Products Team
Amphenol PCD Inc.

SUBJECT: Junction Modules Qualification by Similarity

Purpose: This document is to claim qualification by similarity between Amphenol PCD commercial grade and Mil-Spec AS81714 Junction Module and Track products.

Scope: This document applies to all Amphenol PCD commercial Junction Module and Track products.

As can be seen from Table 1, APCD commercial products are constructed from the same materials utilizing the same construction methods as APCD Mil Spec products. APCD commercial products are subject to the same production tests and periodic tests as the APCD Mil Spec products. Group B test data is not submitted to NAWCAD for commercial products, and APCD commercial products are not subject to 3-year Retention of Qualification reporting requirements.

Conformance to SAE81714 specifications is based on Amphenol PCD's previous qualification for the referenced part families. Amphenol PCD is currently undergoing qualification to AS81714 standard. Qualification is anticipated to be completed in Q4 2025.

Table 1.

APCD Part Classification	MIL-81714	Commercial
Specifications	Identical	Identical
Sources	Identical	Identical
Assembly Process	Identical	Identical
Assembly MWI	Identical	Identical
Marking	Includes MIL number	APCD number only
Bill of materials	Identical	Identical
Production Test	Group A	Group A
Periodic Test	Group B	Group B
Group B data submission	Submitted to NAWCAD	Is not submitted
3 YR qualification retention test plan	Is applied	Is not submitted

Updated 11.01.2023

APCD Commercial Equivalent PN	Contacts	Mil-Spec PN	APCD Mil-Spec Internal PN
*Non Mil-Spec Offering Available	-	*Mil-Spec currently on Stop Ship	*Mil-Spec currently on Stop Ship
TJM122801	LC	M81714/1-DA1	TJM122601
TJM122901	WC	M81714/1-DA1	TJM122701
TJM122802	LC	M81714/1-DB1	TJM122602
TJM122902	WC	M81714/1-DB1	TJM122702
TJM122803	LC	M81714/1-DB2	TJM122603
TJM122903	WC	M81714/1-DB2	TJM122703
TJM122804	LC	M81714/1-DB3	TJM122604
TJM122904	LC	M81714/1-DB3	TJM122704
TJM122805	WC	M81714/1-DC1	TJM122605
TJM122905	WC	M81714/1-DC1	TJM122705
TJM122806	LC	M81714/1-DC2	TJM122606
TJM122906	WC	M81714/1-DC2	TJM122706
TJM122810	LC	M81714/1-DC3	TJM122610
TJM122910	WC	M81714/1-DC3	TJM122710
TJM122812	LC	M81714/1-DC4	TJM122612
TJM122912	WC	M81714/1-DC4	TJM122712
TJM122807	LC	M81714/1-DD1	TJM122607
TJM122907	WC	M81714/1-DD1	TJM122707
TJM122811	LC	M81714/1-DD2	TJM122611
TJM122911	WC	M81714/1-DD2	TJM122711
TJM122808	LC	M81714/1-DE1	TJM122608
TJM122908	WC	M81714/1-DE1	TJM122708
TJM120801	LC	M81714/2-DA1	TJM120601
TJM120901	WC	M81714/2-DA1	TJM120701
TJM120802	LC	M81714/2-DB1	TJM120602
TJM120902	WC	M81714/2-DB1	TJM120702
TJM120803	LC	M81714/2-DB2	TJM120603
TJM120903	WC	M81714/2-DB2	TJM120703
TJM120804	LC	M81714/2-DB3	TJM120604
TJM120904	WC	M81714/2-DB3	TJM120704
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TJM120806	LC	M81714/2-DC2	TJM120606
TJM120906	WC	M81714/2-DC2	TJM120706
TJM120810	LC	M81714/2-DC3	TJM120610
TJM120910	WC	M81714/2-DC3	TJM120710
TJM120812	LC	M81714/2-DC4	TJM120612
TJM120912	WC	M81714/2-DC4	TJM120712
TJM120807	LC	M81714/2-DD1	TJM120607
TJM120907	WC	M81714/2-DD1	TJM120707
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TJM120908	WC	M81714/2-DE1	TJM120708
TJM116801	LC	M81714/3-DA1	TJM116601
TJM116901	WC	M81714/3-DA1	TJM116701
TJM116802	LC	M81714/3-DB1	TJM116602
TJM116902	WC	M81714/3-DB1	TJM116702
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TJM112802	LC	M81714/4-DB1	TJM112602
TJM112902	WC	M81714/4-DB1	TJM112702

LC = Less Contacts
WC = With Contacts

TJM112803	LC	M81714/4-DB2	TJM112603
TJM112903	WC	M81714/4-DB2	TJM112703
TJM112805	LC	M81714/4-DC1	TJM112605
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TJM112906	WC	M81714/4-DC2	TJM112706
TJM112807	LC	M81714/4-DD1	TJM112607
TJM112907	WC	M81714/4-DD1	TJM112707
TJT801010	Track	M81714/5-1	TJT701010
TJT801012	Track	M81714/5-10	TJT701012
TJT801013	Track	M81714/5-11	TJT701013
TJT801014	Track	M81714/5-12	TJT701014
TJT801015	Track	M81714/5-13	TJT701015
TJT801003	Track	M81714/5-2	TJT701003
TJT801004	Track	M81714/5-3	TJT701004
TJT801005	Track	M81714/5-4	TJT701005
TJT801006	Track	M81714/5-5	TJT701006
TJT801007	Track	M81714/5-6	TJT701007
TJT801008	Track	M81714/5-7	TJT701008
TJT801009	Track	M81714/5-8	TJT701009
TJT801011	Track	M81714/5-9	TJT701011
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TJM222804	LC	M81714/6-DB3	TJM222604
TJM222904	WC	M81714/6-DB3	TJM222704
TJM222805	LC	M81714/6-DC1	TJM222605
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TJM216909	WC	M81714/8-DH1	TJM216709
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TJT802003	Track	M81714/10-2	TJT702003
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TJT802006	Track	M81714/10-5	TJT702006
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TJS316900	WC	M81714/11-16D	TJS316700
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TJS320900	WC	M81714/11-20D	TJS320700
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TJS322900	WC	M81714/11-22D	TJS322700
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TJS320902	WC	M81714/12-20D-2	TJS320702
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TJHD22900	WC	M81714/17-D30	TJHD22700
TJHD22801	LC	M81714/17-D31	TJHD22601
TJHD22901	WC	M81714/17-D31	TJHD22701
TJHD22802	LC	M81714/17-D32	TJHD22602
TJHD22902	WC	M81714/17-D32	TJHD22702
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TJHD22906	WC	M81714/17-D36	TJHD22706

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TJHD22907	WC	M81714/17-D37	TJHD22707
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TJHD22908	WC	M81714/17-D38	TJHD22708
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TJSE22371	WC	M81714/21-1D001	TJSE22311
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TJSE20272	LC	M81714/21-1D003	TJSE20212
TJSE20372	WC	M81714/21-1D003	TJSE20312
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TJSE20384	WC	M81714/23-1D00	TJSE20334
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TJSE20386	WC	M81714/23-1D006	TJSE20336
TJSE20287	LC	M81714/23-1D007	TJSE20237
TJSE20387	WC	M81714/23-1D007	TJSE20337
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TJSE20292	LC	M81714/23-1D012	TJSE20242
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TJSE20296	LC	M81714/23-1D016	TJSE20246
TJSE20396	WC	M81714/23-1D016	TJSE20346
TJG800100	Bracket	M81714/27-1	TJG100100
TJG116601	LC	M81714/27-D16	TJG116100
TJG116701	WC	M81714/27-D16	TJG116101
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TJG120701	WC	M81714/27-D20	TJG120101
TJG122601	LC	M81714/27-D22	TJG122100
TJG122701	WC	M81714/27-D22	TJG122101

TJG122210	LC	M81714/27-D22HD	TJG122200
TJG122211	WC	M81714/27-D22HD	TJG122201
TJF116150	LC	M81714/28-D16	TJF116100
TJF116151	WC	M81714/28-D16	TJF116101
TJF120250	LC	M81714/28-D20	TJF120200
TJF120251	WC	M81714/28-D20	TJF120201
TJF122150	LC	M81714/28-D22	TJF122100
TJF122151	WC	M81714/28-D22	TJF122101
TJF122250	LC	M81714/28-D22HD	TJF122200
TJF122251	WC	M81714/28-D22HD	TJF122201
TJT800100	Bracket	M81714/29-1	TJT400100
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SJM812100	WC	M81714/60-12-01	SJM012100
SJM812101	LC	M81714/60-12-01	SJM012101
SJM812200	WC	M81714/60-12-02	SJM012200
SJM812201	LC	M81714/60-12-02	SJM012201
SJM812300	WC	M81714/60-12-03	SJM012300
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SJM816201	LC	M81714/60-16-02	SJM016201
SJM816300	WC	M81714/60-16-03	SJM016300
SJM816301	LC	M81714/60-16-03	SJM016301
SJM820100	WC	M81714/60-20-01	SJM020100
SJM820101	LC	M81714/60-20-01	SJM020101
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SJM820300	WC	M81714/60-20-03	SJM020300
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SJM820400	WC	M81714/60-20-04	SJM020400
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SJM820600	WC	M81714/60-20-06	SJM020600
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SJM822201	LC	M81714/60-22-02	SJM022201
SJM822400	WC	M81714/60-22-04	SJM022400
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SJM822500	WC	M81714/60-22-05	SJM022500
SJM822501	LC	M81714/60-22-05	SJM022501
SJM822600	WC	M81714/60-22-06	SJM022600
SJM822601	LC	M81714/60-22-06	SJM022601
SJM822700	WC	M81714/60-22-10	SJM022700
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SJG820170	WC	M81714/63-20S	SJG020170

SJG820171	LC	M81714/63-20S	SJG020171
SJG822270	WC	M81714/63-22F	SJG022270
SJG822271	LC	M81714/63-22F	SJG022271
SJG822170	WC	M81714/63-22S	SJG022170
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SJS820600	LC	M81714/65-20-1	SJS320600
SJS820701	WC	M81714/65-20-2	SJS320701
SJS820601	LC	M81714/65-20-2	SJS320601
SJS822700	WC	M81714/65-22-1	SJS322700
SJS822600	LC	M81714/65-22-1	SJS322600
SJS822701	WC	M81714/65-22-2	SJS322701
SJS822601	LC	M81714/65-22-2	SJS322601
SJT802404	Track	M81714/67-02	SJT502404
SJT803404	Track	M81714/67-03	SJT503404
SJT804404	Track	M81714/67-04	SJT504404
SJT805404	Track	M81714/67-05	SJT505404
SJT806404	Track	M81714/67-06	SJT506404
SJT807404	Track	M81714/67-07	SJT507404
SJT808404	Track	M81714/67-08	SJT508404
SJT809404	Track	M81714/67-09	SJT509404
SJT810404	Track	M81714/67-10	SJT510404
SJT812404	Track	M81714/67-12	SJT512404
SJT813404	Track	M81714/67-13	SJT513404
SJT814404	Track	M81714/67-14	SJT514404
SJT815404	Track	M81714/67-15	SJT515404
SJT816404	Track	M81714/67-16	SJT516404
SJT818404	Track	M81714/67-18	SJT518404
SJT819404	Track	M81714/67-19	SJT519404
SJT820404	Track	M81714/67-20	SJT520404
SJT821404	Track	M81714/67-21	SJT521404
SJT825404	Track	M81714/67-25	SJT525404
SJT830404	Track	M81714/67-30	SJT530404
SJT832404	Track	M81714/67-32	SJT532404
SJT840404	Track	M81714/67-40	SJT540404