

Product Change Notice

3M™ MetPak™ Hard Metric (HM), High Speed Hard Metric (HSHM) and 3M™ Ultra Hard Metric (UHM) Connector Plating Offering Change – TR40B replaced with TG30L

Issue Number: 768

Date: July 30, 2010

Product Change

In an effort to improve service to our global customers, we are substituting the currently available lubricated TR40B plated HM, HSHM and UHM connectors with connectors having another lubricated plating, TG30L, which supports the same level of mating cycle durability. Current standard platings – TG30 plating (for the HM, HSHM and UHM) and the KR plating (for UHM) – will remain unchanged and will continue to be offered based on current plans.

The part number changes and plating definitions are available in this notice. Test information that demonstrates the mating cycle durability equivalency of the TG30L plating to the TR40B plating will be available upon request. Customer samples for qualification in your application are available upon request.

As a consequence of this change, the TR40B plating will be discontinued with the TG30L plating offered as a replacement. Customers will not see any price increase as a result of this change. Customers have until September 30, 2010, to place last time buy orders for TR40B plated HM, HSHM and UHM connectors and transition to the appropriate plating. The rest of the offering for the HM, HSHM and UHM connectors will remain unchanged.

Please note: the standard plating for the HM and HSHM connectors is TG30 and the standard platings for the UHM connectors are TG30 and KR. The TG30L plated connectors will typically be more expensive and have a longer lead time and a higher minimum order quantity (MoQ) as compared to the TG30 and KR plated connectors. Customers are urged to transition to a standard plating, if it satisfies their application requirements, to take advantage of the better pricing, lead times and MoQs. A 3M Field Application Engineer can help answer any questions you may have regarding whether you can transition to a connector with standard plating.



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MetPak HM Connectors Impacted by TR40B Plating Change

Discontinued Part Number	Tech Sheet	Alternate Part Number	Tech Sheet
HM-H088FR1-8CP1-TR40B	TS2061	HM-H088FR1-8CP1-TG30L	TS2061
HM-H176DPWR1-8CP2-TR40B	TS2020	HM-H176DPWR1-8CP2-TG30L	TS2020
HM-H200E1-8CP1-TR40B	TS2012	HM-H200E1-8CP1-TG30L	TS2012
HM-H250E2-8BS1-TR40B	TS2012	HM-H250E2-8BS1-TG30L	TS2012
HM-RAH176D1-8CP1-TR40B		HM-RAH176D1-8CP1-TG30L	
HM-S088FR1-8AP1-TR40B	TS2063	HM-S088FR1-8AP1-TG30L	TS2063
HM-S176D1-8AP1-TR40B	TS2014	HM-S176D1-8AP1-TG30L	TS2014
HM-S176DPWR1-8AP1-TR40B	TS2021	HM-S176DPWR1-8AP1-TG30L	TS2021
HM-S200E1-8AP1-TR40B	TS2022	HM-S200E1-8AP1-TG30L	TS2022
HM-H110APWR1-5CP1-TR40B	TS2089	HM-H110APWR1-5CP1-TG30L	TS2089
HM-H176D1-8CP1-TR40B	TS2011	HM-H176D1-8CP1-TG30L	TS2011
HM-H176DG1-8CP1-TR40B	TS2072	HM-H176DG1-8CP1-TG30L	TS2072
HM-H176DPWR1-8CP1-TR40B	TS2020	HM-H176DPWR1-8CP1-TG30L	TS2020
HM-S088FL1-8AP1-TR40B	TS2023	HM-S088FL1-8AP1-TG30L	TS2023
HM-S110APWR1-5AP1-TR40B	TS2088	HM-S110APWR1-5AP1-TG30L	TS2088
HM-H125B1-5CP1-TR40B	TS2006	HM-H125B1-5CP1-TG30L	TS2006
HM-H220D2-8BP1-TR40B	TS2011	HM-H220D2-8BP1-TG30L	TS2011

High Speed Hard Metric (HSHM) Connectors Impacted by TR40B Plating Change

Discontinued Part Number	Tech Sheet	Alternate Part Number	Tech Sheet
HSHM-H055B5-5CP1-TR40B	TS2074	HSHM-H055B5-5CP1-TG30L	
HSHM-H055CL5-5CP1-TR40B	TS2024	HSHM-H055CL5-5CP1-TG30L	TS2024
HSHM-H095B4-5CP1-TR40B	TS2220	HSHM-H095B4-5CP1-TG30L	
HSHM-H095B4-5CP2-TR40B	TS2220	HSHM-H095B4-5CP2-TG30L	
HSHM-H095B5-5CP1-TR40B	TS2220	HSHM-H095B5-5CP1-TG30L	
HSHM-H095B5-5CP2-TR40B	TS2220	HSHM-H095B5-5CP2-TG30L	
HSHM-H110A5-5CP1-TR40B	TS2073	HSHM-H110A5-5CP1-TG30L	TS2073
HSHM-H110A5-5CP2-TR40B	TS2073	HSHM-H110A5-5CP2-TG30L	TS2073
HSHM-H110B4-5CP1-TR40B	TS2248	HSHM-H110B4-5CP1-TG30L	TS2248
HSHM-H110B4-5CP2-TR40B	TS2248	HSHM-H110B4-5CP2-TG30L	TS2248
HSHM-H110B5-5CP1-TR40B	TS2248	HSHM-H110B5-5CP1-TG30L	TS2248
HSHM-H110B5-5CP2-TR40B	TS2248	HSHM-H110B5-5CP2-TG30L	TS2248
HSHM-H125B4-5CP1-TR40B	TS2064	HSHM-H125B4-5CP1-TG30L	TS2064
HSHM-H125B5-5CP1-TR40B	TS2064	HSHM-H125B5-5CP1-TG30L	TS2064
HSHM-H176DPWR4-8CP2-TR40B	TS2080	HSHM-H176DPWR4-8CP2-TG30L	
HSHM-H176DPWR5-8CP1-TR40B	TS2080	HSHM-H176DPWR5-8CP1-TG30L	
HSHM-H176DPWR5-8CP2-TR40B	TS2080	HSHM-H176DPWR5-8CP2-TG30L	
HSHM-S055B1-5AP1-TR40B	TS2075	HSHM-S055B1-5AP1-TG30L	
HSHM-S055CL1-5AP1-TR40B	TS2027	HSHM-S055CL1-5AP1-TG30L	
HSHM-S095B1-5AP1-TR40B	TS2221	HSHM-S095B1-5AP1-TG30L	
HSHM-S095B4-5AP1-TR40B	TS2221	HSHM-S095B4-5AP1-TG30L	
HSHM-S110A1-5AP1-TR40B	TS2025	HSHM-S110A1-5AP1-TG30L	TS2025
HSHM-S110B1-5AP1-TR40B	TS2247	HSHM-S110B1-5AP1-TG30L	TS2247
HSHM-S110B4-5AP1-TR40B	TS2247	HSHM-S110B4-5AP1-TG30L	TS2247
HSHM-S125B4-5AP1-TR40B	TS2026	HSHM-S125B4-5AP1-TG30L	

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Discontinued Part Number	Tech Sheet	Alternate Part Number	Tech Sheet
HSHM-S176DPWR1-8AP1-TR40B	TS2001	HSHM-S176DPWR1-8AP1-TG30L	
HSHM-S176DPWR4-8AP1-TR40B	TS2001	HSHM-S176DPWR4-8AP1-TG30L	
HSHM-S200E1-8AP1-TR40B	TS2003	HSHM-S200E1-8AP1-TG30L	
HSHM-H055B4-5CP1-TR40B	TS2074	HSHM-H055B4-5CP1-TG30L	
HSHM-H055CL4-5CP1-TR40B	TS2024	HSHM-H055CL4-5CP1-TG30L	TS2024
HSHM-H055CL4-5CP2-TR40B	TS2024	HSHM-H055CL4-5CP2-TG30L	TS2024
HSHM-H055CL5-5CP2-TR40B	TS2024	HSHM-H055CL5-5CP2-TG30L	TS2024
HSHM-H055CR4-5CP2-TR40B	TS2065	HSHM-H055CR4-5CP2-TG30L	
HSHM-H055CR5-5CP1-TR40B	TS2065	HSHM-H055CR5-5CP1-TG30L	
HSHM-H088FL5-8CP1-TR40B	TS2017	HSHM-H088FL5-8CP1-TG30L	
HSHM-H088FR4-8CP1-TR40B	TS2062	HSHM-H088FR4-8CP1-TG30L	
HSHM-H110APWR4-5CP1-TR40B	TS2087	HSHM-H110APWR4-5CP1-TG30L	TS2087
HSHM-H125B4-5CP2-TR40B	TS2064	HSHM-H125B4-5CP2-TG30L	TS2064
HSHM-H125B5-5CP2-TR40B	TS2064	HSHM-H125B5-5CP2-TG30L	TS2064
HSHM-H176D5-8CP1-TR40B	TS2015	HSHM-H176D5-8CP1-TG30L	
HSHM-H200DE5-8CP1-TR40B	TS2077	HSHM-H200DE5-8CP1-TG30L	TS2077
HSHM-H200E5-8CP1-TR40B	TS2016	HSHM-H200E5-8CP1-TG30L	TS2016
HSHM-RAH176D4-8CP1-TR40B	TS2081	HSHM-RAH176D4-8CP1-TG30L	TS2081
HSHM-RAH176D5-8CP1-TR40B	TS2081	HSHM-RAH176D5-8CP1-TG30L	TS2081
HSHM-S055B4-5AP1-TR40B	TS2075	HSHM-S055B4-5AP1-TG30L	
HSHM-S055CL4-5AP1-TR40B	TS2027	HSHM-S055CL4-5AP1-TG30L	
HSHM-S055CR1-5AP1-TR40B	TS2066	HSHM-S055CR1-5AP1-TG30L	
HSHM-S055CR4-5AP1-TR40B	TS2066	HSHM-S055CR4-5AP1-TG30L	
HSHM-S088FL1-8AP1-TR40B	TS2004	HSHM-S088FL1-8AP1-TG30L	
HSHM-S088FR1-8AP1-TR40B	TS2058	HSHM-S088FR1-8AP1-TG30L	
HSHM-S110A4-5AP1-TR40B	TS2025	HSHM-S110A4-5AP1-TG30L	TS2025
HSHM-S110APWR4-5APC1-TR40B	TS2086	HSHM-S110APWR4-5APC1-TG30L	TS2086
HSHM-S125B1-5AP1-TR40B	TS2026	HSHM-S125B1-5AP1-TG30L	
HSHM-S200DE1-8AP1-TR40B	TS2078	HSHM-S200DE1-8AP1-TG30L	
HSHM-H055B4-5CP2-TR40B	TS2074	HSHM-H055B4-5CP2-TG30L	
HSHM-H055CR4-5CP2-TR40B	TS2065	HSHM-H055CR4-5CP2-TG30L	
HSHM-H176DG5-8CP2-TR40B	TS2079	HSHM-H176DG5-8CP2-TG30L	
HSHM-H192DE4-8CP1-TR40B		HSHM-H192DE4-8CP1-TG30L	
HSHM-H200E4-8EP1-TR40B		HSHM-H200E4-8EP1-TG30L	
HSHM-S095B4-5AP1-TR40B	TS2221	HSHM-S095B4-5AP1-TG30L	

Ultra Hard Metric (UHM) Connectors Impacted by TR40B Plating Change

Discontinued Part Number	Tech Sheet	Alternate Part Number	Tech Sheet
UHM-S055CL4-5AP1-TR40B	TS2312	UHM-S055CL4-5AP1-TG30L	TS2312

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Plating Compositions μm [$\mu\text{”}$]:

TR40B = 0.127 [5] Min. Hard Au Contact Area, Lubricated
1.02 [40] Min. PdNi Contact Area
0.10 [4] Min. Pd Strike Contact Area
2.54 [100] Min. SnPb Terminal Area
1.27 [50] Min. Ni all over

TG30L = 0.76 [30] Min. Au Contact Area, Lubricated
2.54 [100] Min. SnPb Terminal Area
1.27 [50] Min. Ni All over

TG30 = 0.76 [30] Min. Au Contact Area
2.54 [100] Min. SnPb Terminal Area
1.27 [50] Min. Ni All over

KR = 0.76 [30] Min. Au Contact Area
2.54 [100] Min. Sn Terminal Area
1.27 [50] Min. Ni All over

Contact Information

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