HDM and VHDM*
Mixed Layout Design Guide

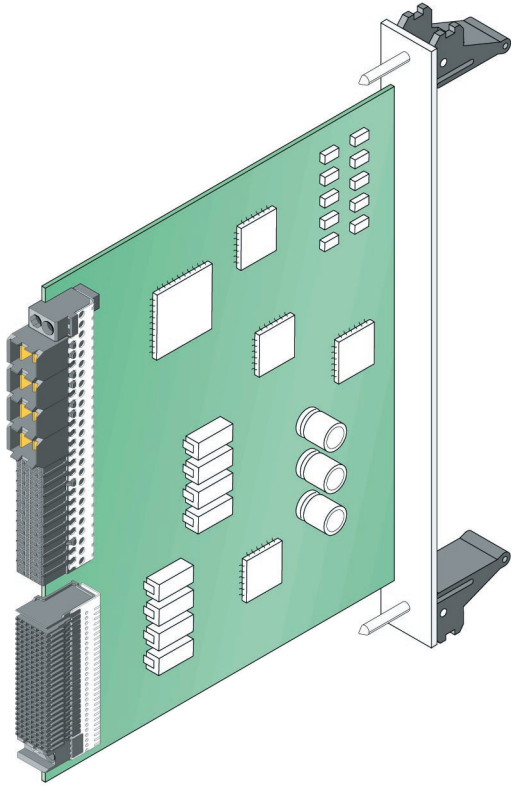
Version 1.0

* HDM and VHDM are registered trademarks of Teradyne, Inc.

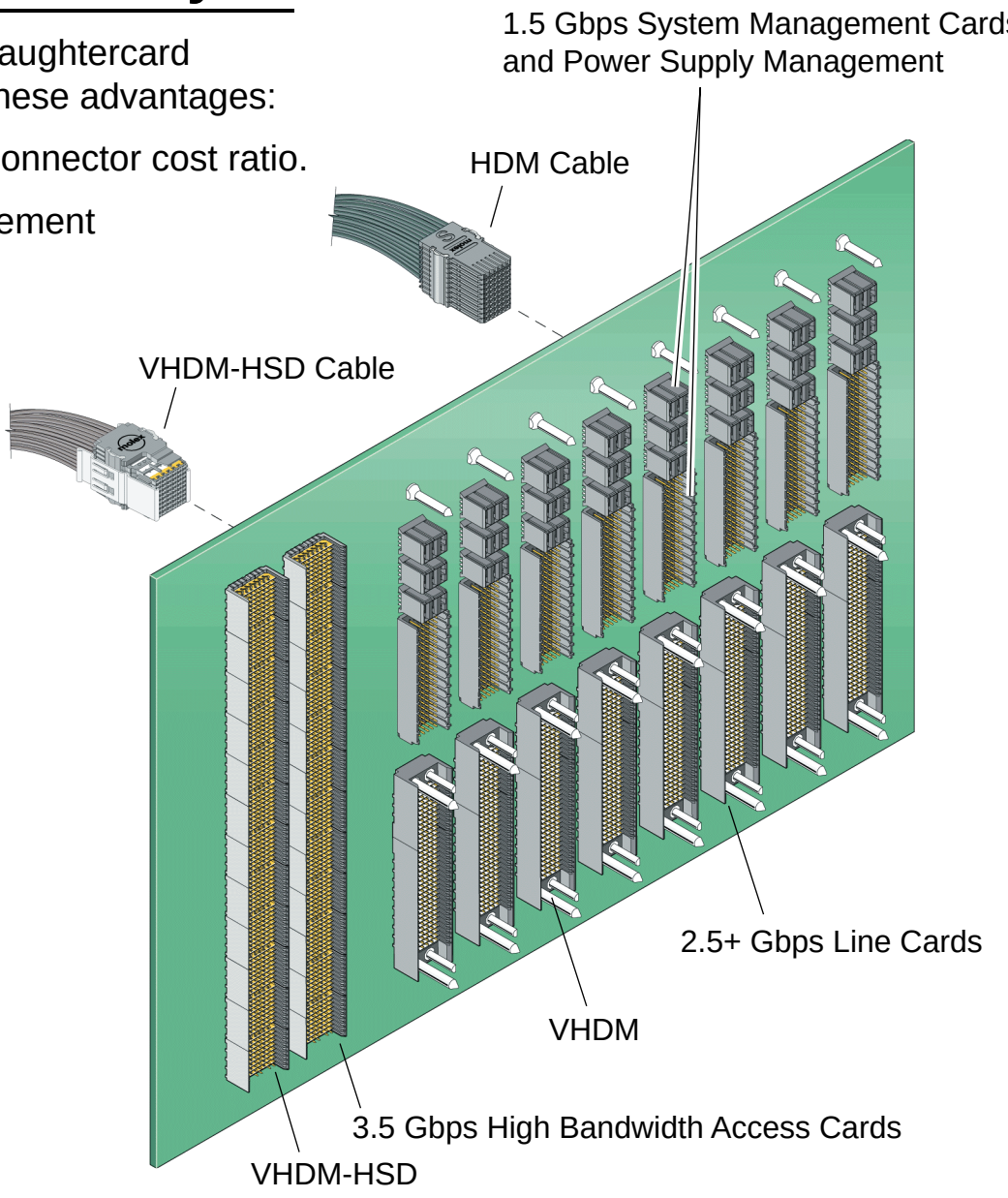
HDM and VHDM* Mixed Layout

Combining HDM and VHDM on daughtercard and backplane layouts provides these advantages:

- Optimizes the performance to connector cost ratio.
- Provides optimal power management and system control.



Daughtercard Mixed Layout with HDM and VHDM



Backplane Mixed Layout with HDM, VHDM and VHDM-HSD†

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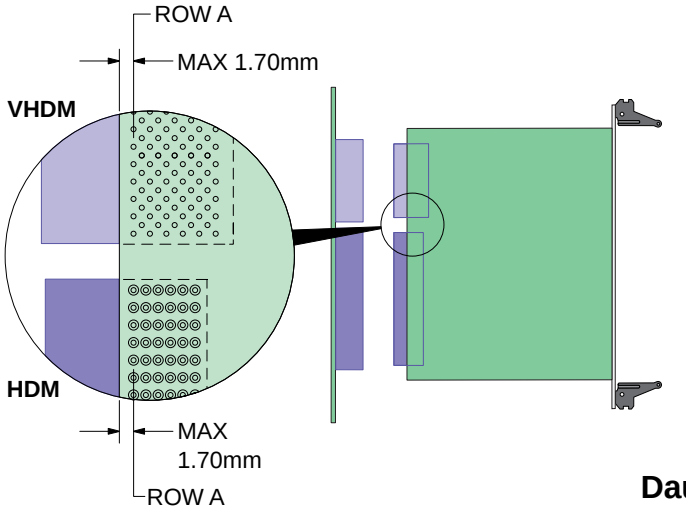
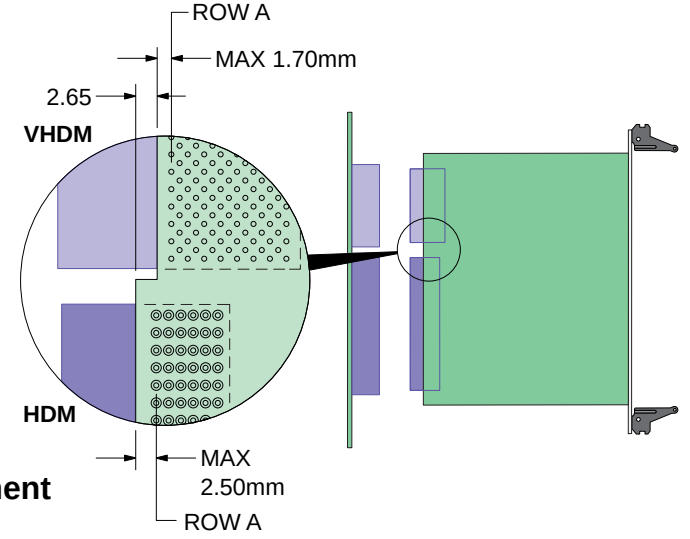
† VHDM-HSD is a trademark of Teradyne, Inc.

HDM and VHDM* Combined Layout Reference Dimensions

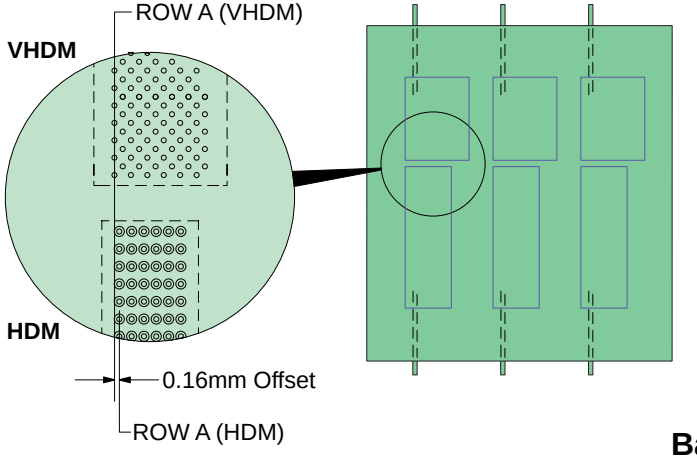
HDM 6-Row and VHDM 6-Row

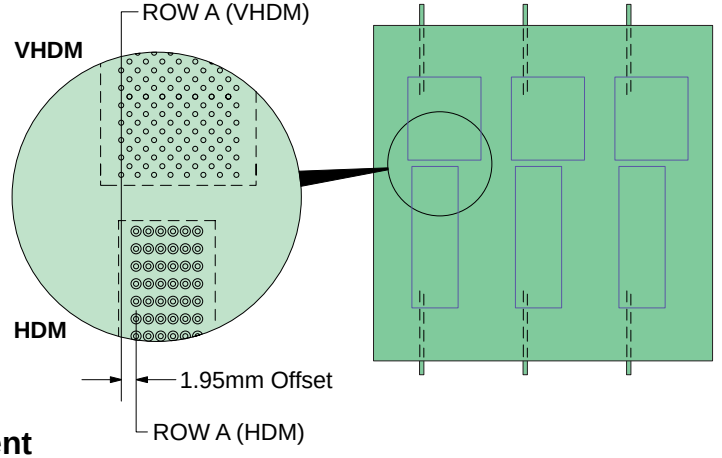


HDM 6-Row and VHDM 8-Row



Daughter Card Placement
(Tail Side Shown)





Backplane Placement
(Component Side Shown)

Note: For Backplane Header Placement, Align Row "A" Per These Drawings.

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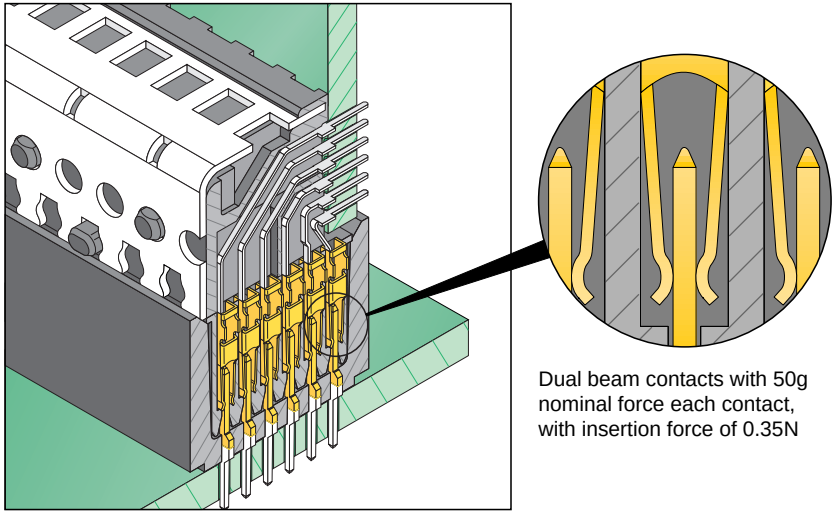
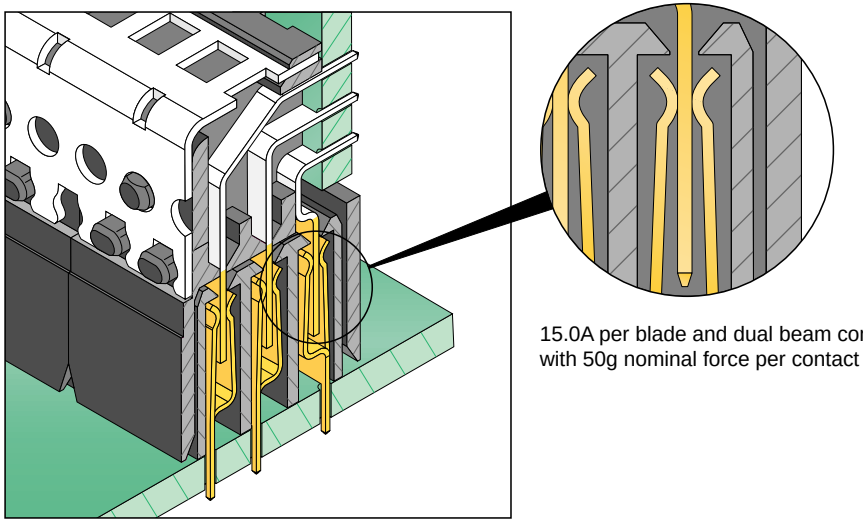
HDM* Separable Interface Detail



Dual beam contacts with 50g nominal force each contact, with insertion force of 0.35N

HDM Signal Module Interface



15.0A per blade and dual beam contacts with 50g nominal force per contact

HDM Power Module Interface

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