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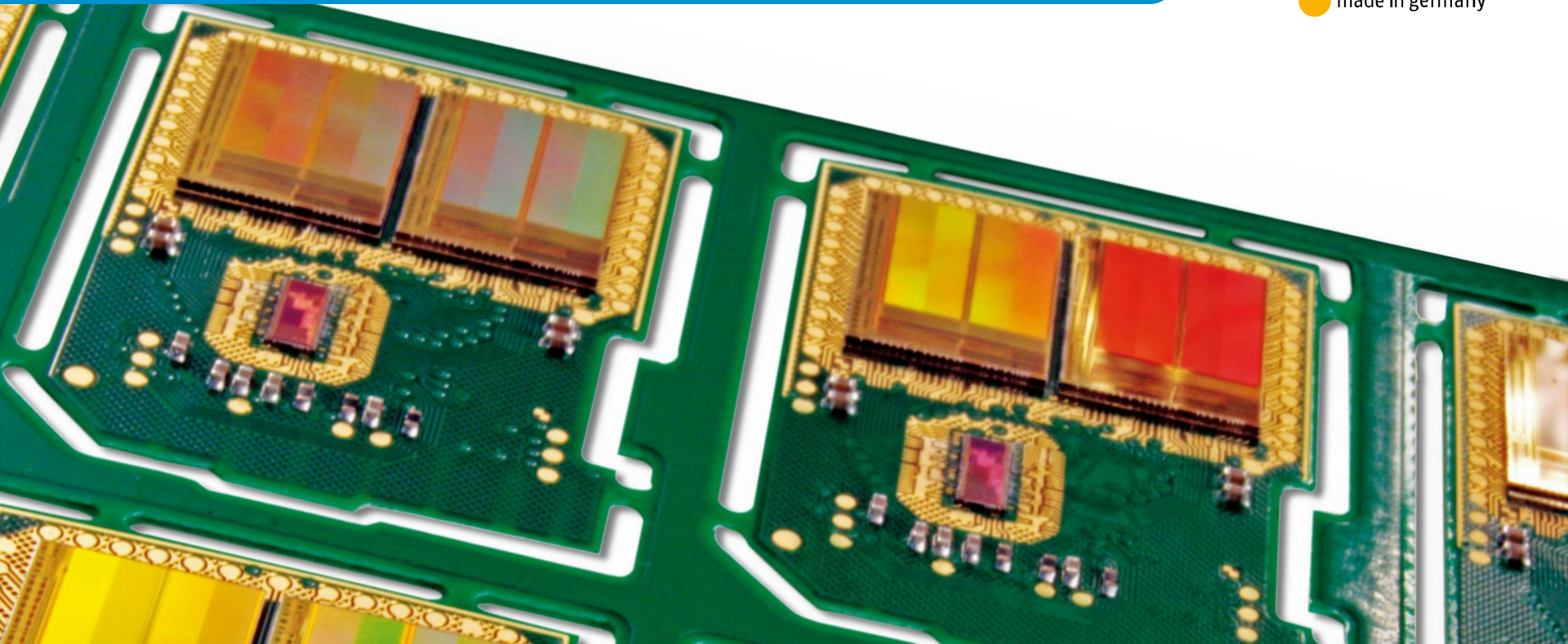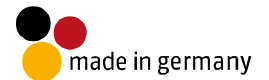
Rev.07
Internal Use Only

FLASH PRODUCTS TRAINING
PART NUMBERS / PRODUCT SERIES / PLATFORM

made in germany

PART NUMBERS (PN)

Every Product has a defined part number, which allows a detailed identification of the product with his components and features. Those part numbers are defined for raw materials, semi products and finished products.

Example Part number:
SFSA128GQ1BR8MT-C-QT-236-STD

With the above mentioned information (part number) you can identify the following:

- SSD SATA
- 128GB density
- Form factor
- Number of Flash or channels /Supplier, 8/Micron
- Commercial temperature range (0-70° C)
- Configuration HW/FW

Actual and detailed information about the part numbers of flash products are defined in the document: T_SPEC_PARTnumber_FlashProducts

PRODUCT PORTFOLIO BRANDING

The product portfolio branding are defined with letters and numbers and are the official series description of a product also for distributors and customers.

Example:
C-440 Series, F-240 Series, S-200u Series, S-200 Series, M-100, U-110, X-200, X-200s,X-200m

Definition:

X-YYYz	Series	(Marketing Branding → define a product group of variations in combination of Interface, Technology and form factor)

X Letter:	Family (Interface)	→ Product Family Dev.
Y First digit (hundred):	Technology / Generation	→ Product Dev.
Y Second digit (ten):	Special properties	
Y Third digit (one):	Not used / not defined yet	
z Forth digit (small letter):	Form Factor	→ Product Dev.

X-YYY → SLC technology   /   X- YY → MLC technology

Variation Definition:
Variations based on existing Products.
Each PCB adjustment, new FW, additional Flash or new products density upgrade are a variation. (same form and technology)

In the following slides, the identification of flash products with it's family or series will be explained.

PRODUCT SERIES

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PRODUCT		INTERFACE	FLASH TECHN. / MCU	PN CODE
Compact Flash Card Type I	C-100	IDE/PC-card	SLC / SM222	SFCF*H*BI*
	C-200	IDE/PC-card	SLC / Hyperstone F2	SFCF*H*BH*
	C-300 C-300 Longevity	IDE/PC-card	SLC / Hyperstone F3	SFCF*H*BK*
	C-320	IDE/PC-card	SLC / Hyperstone F4	SFCF*H*B0*
	C-440	IDE/PC-card	SLC / Hyperstone A1	SFCF*H*BU*
CFast 1.1	F-100	SATA II	SLC / SM2242	SFCA*H*BR*
	F-240	SATA II	SLC / Hyperstone A2	SFCA*H*BV*
CFast 2.0	F-60	SATA III	MLC / SM2246EN	SFCA*H*AA*
	F-600	SATA III	SLC / SM2246EN	SFCA*H*AA*

PRODUCT SERIES

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PRODUCT		INTERFACE	FLASH TECHN. / MCU	PN CODE
MMC	M–100	SPI / MMC	SLC / Hyperstone S6	SFMM*0*BN*
MMC	M–120	SPI / MMC	SLC / Hyperstone S6	SFMM*0*BN*
UFD	unitedContrast II	USB2.0	SLC / SM3252	SFSU2*E*BP*
UFD	miniTwist	USB2.0	SLC / SM3251	SFSU2*D*BP*
UFD Module eUSB / UFDi	U–100	USB2.0	SLC / SM0324	SFUI*J*BF* / SFUI*K*BF*
UFD Module eUSB / UFDi	U–110	USB2.0	SLC / SM3252	SFUI*J*BP* / SFUI*K*BP*
UFD Module eUSB / UFDi	U–400	USB2.0	SLC / Hyperstone U8	SFUI*J*AB*
UFD Module eUSB / UFDi	U–45	USB2.0	MLC / Hyperstone U8	SFUI*J*AB*

PRODUCT SERIES
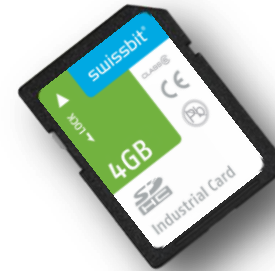
PRODUCT		INTERFACE	FLASH TECHN. / MCU	PN CODE
SD Memory Card	S-200	SD2.0 SPI / SD	SLC / Hyperstone S6	SFSD*L*BN*
	S-220	SD2.0 SPI / SDHC	SLC / Hyperstone S6	SFSD*L*BN*
	S-450	SD3.0 UHS-I SD / SDHC	SLC / Hyperstone S8	SFSD*L*BM*
	S-40	SD3.0 SDHC	MLC / Hyperstone S8	
	S-45	SD3.0 UHS-I SDHC / SDXC	MLC / Hyperstone S8	

PRODUCT		INTERFACE	FLASH TECHN. / MCU	PN CODE
MICRO SD Memory Card	S-200u	SD2.0 SPI / SD	SLC / Hyperstone S6	SFSD*N*BN*
	S-300u	SD2.0 SPI / SD / SDHC	SLC / SM2683	SFSD*N*BW*
	S-450u	SD3.0 UHS-I SD / SDHC	SLC / Hyperstone S8	SFSD*N*BM*
	S-40u	SD3.0 SDHC	MLC / Hyperstone S8	
	S-45u	SD3.0 UHS-I SDHC / SDXC	MLC / Hyperstone S8	

PRODUCT SERIES

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PRODUCT		INTERFACE	FLASH TECHN. / MCU	PN CODE
SSD2.5"	X-100	SATA	SLC / Hyperstone F3 & Bridgechip	SFSA*Q*BK*
	X-110	SATA	SLC / Hyperstone F4 & Bridgechip	SFSA*Q*B0*SA
	X-120	SATA	SLC / Hyperstone F4 & Bridgechip	SFSA*Q*B0*T0
	X-200	SATA	SLC / SM2242	SFSA*Q*BR*
	X-500	SATA	SLC / SM2250	SFSA*Q*BJ*
	X-55	SATA	eMLC / SM2250	SFSA*Q*BJ*
	P-100	PATA	SLC / Hyperstone F3	SPSA*Q*BK*
	P-120	PATA	SLC / Hyperstone F4	SPSA*Q*B0*

PRODUCT SERIES

PRODUCT		INTERFACE	FLASH TECHN. / MCU	PN CODE
mSATA M0-300 full size	X-200m	SATA II	SLC / SM2242	SFSA*U*BR*
	X-60m	SATA III	MLC / SM2246	SFSA*U*AA*
	X-600m	SATA III	SLC / SM2246	SFSA*U*AA*
slimSATA M0-297A	X-200s	SATA II	SLC / SM2242	SFSA*V*BR*
	X-60s	SATA III	MLC / SM2246	SFSA*V*AA*
	X-600s	SATA III	SLC / SM2246	SFSA*V*AA*
M.2	X-60m.2	SATA III	MLC / SM2246	SFSA*M*AA*
M.2	X-600m.2	SATA III	SLC / SM2246	SFSA*M*AA*