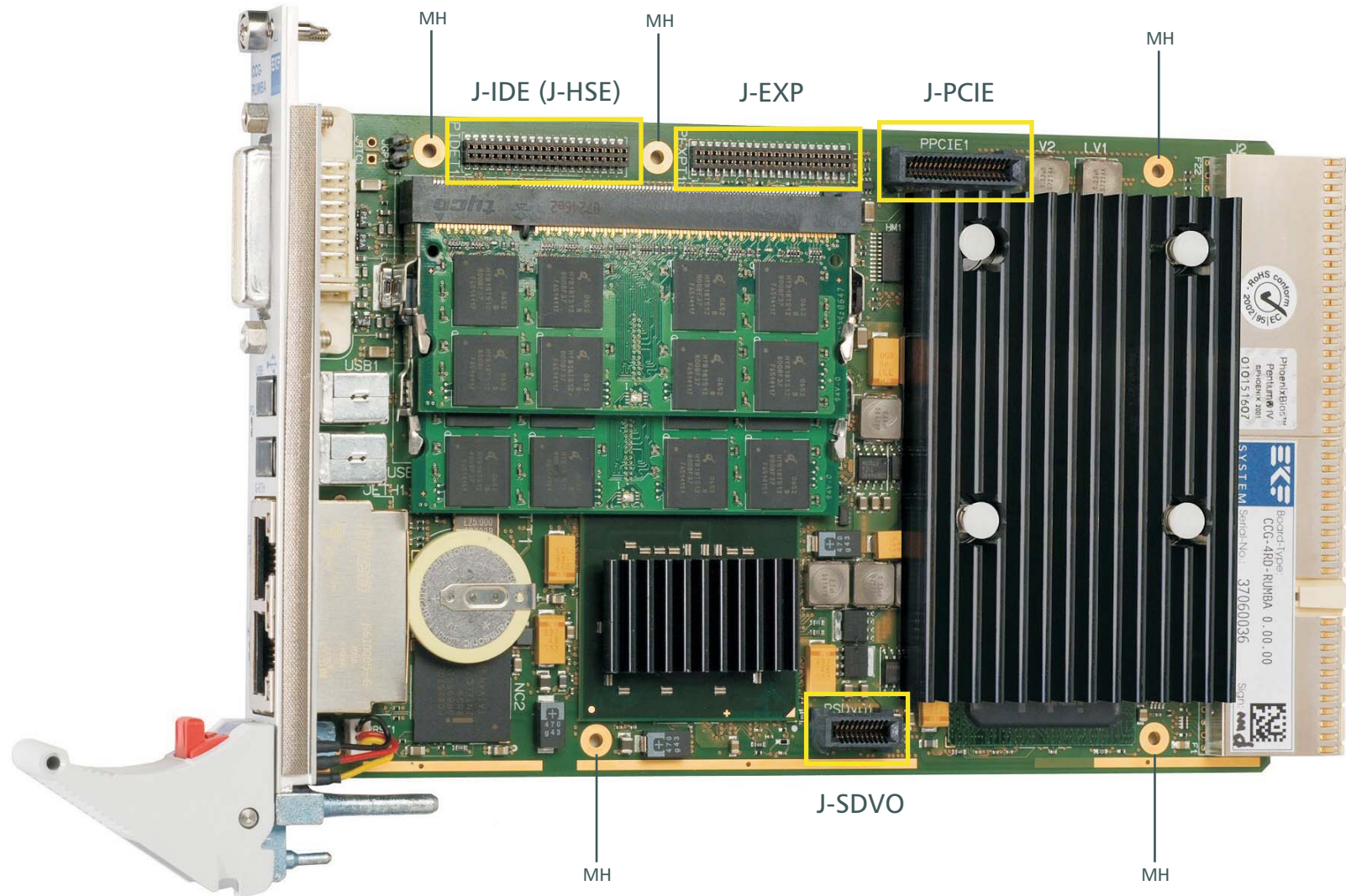


The Evolutionary EKF Mezzanine Module Concept

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J-EXP: USB • AUDIO • MISC

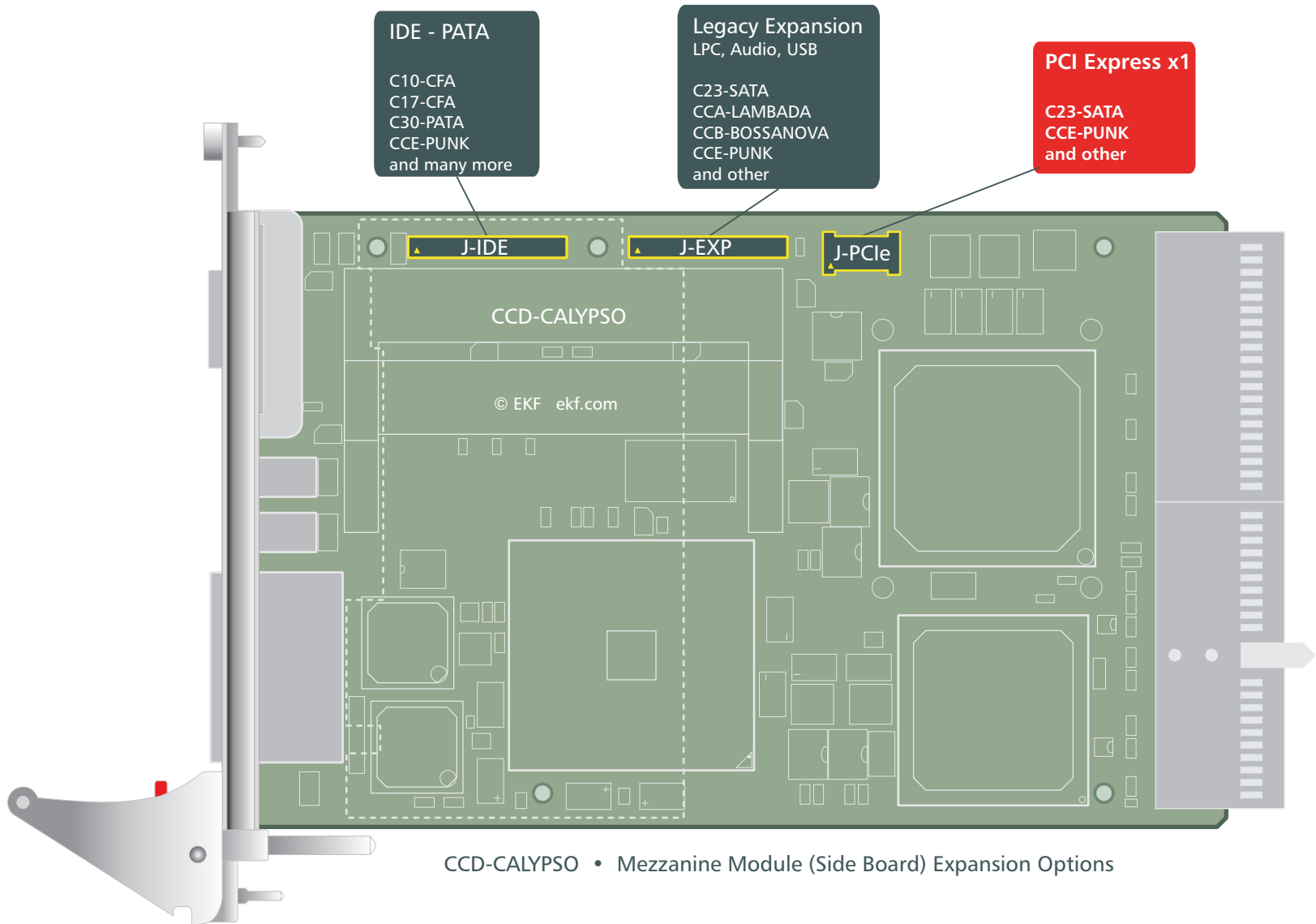
J-IDE: 1 x PATA (Storage) - Generation 1-3 EKF Mezzanine

J-HSE: 3 x SATA (Storage, RAID), 3 x USB - Generation 4 EKF Mezzanine

J-PCIE: PCI Express (4 x 1, 1 x 4)

J-SDVO: Video (Secondary DVI, HDMI, DisplayPort, VGA)

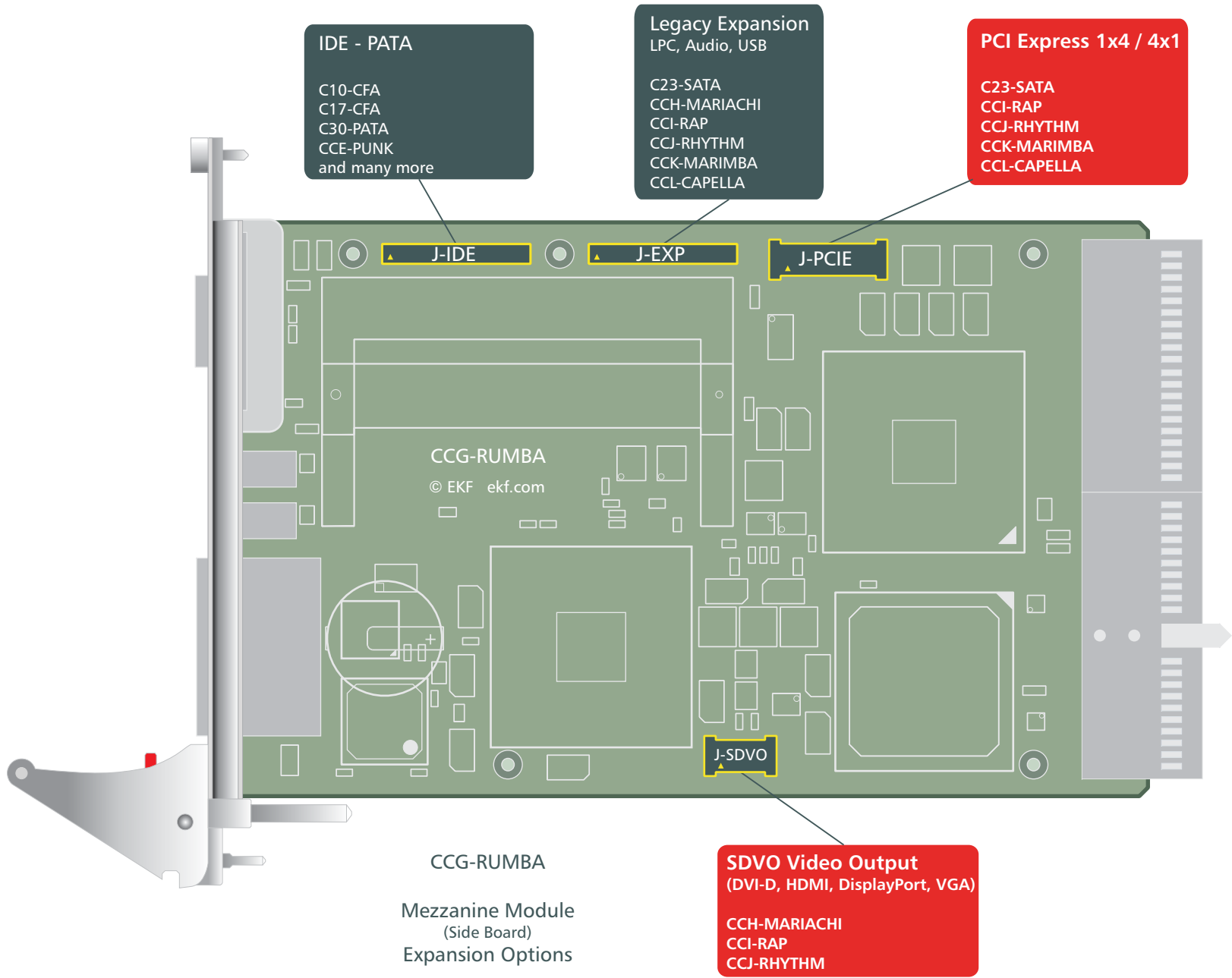
MH: Mounting Holes



http://www.ekf.com/ccpu/ccd/ccd_e.html

CCD-CALYPSO • Mezzanine Module (Side Board) Expansion Options

Generation 2: PCI Express (Single Lane) Introduced



IDE - PATA
 C10-CFA
 C17-CFA
 C30-PATA
 CCE-PUNK
 and many more

Legacy Expansion
 LPC, Audio, USB
 C23-SATA
 CCH-MARIACHI
 CCI-RAP
 CCJ-RHYTHM
 CCK-MARIMBA
 CCL-CAPELLA

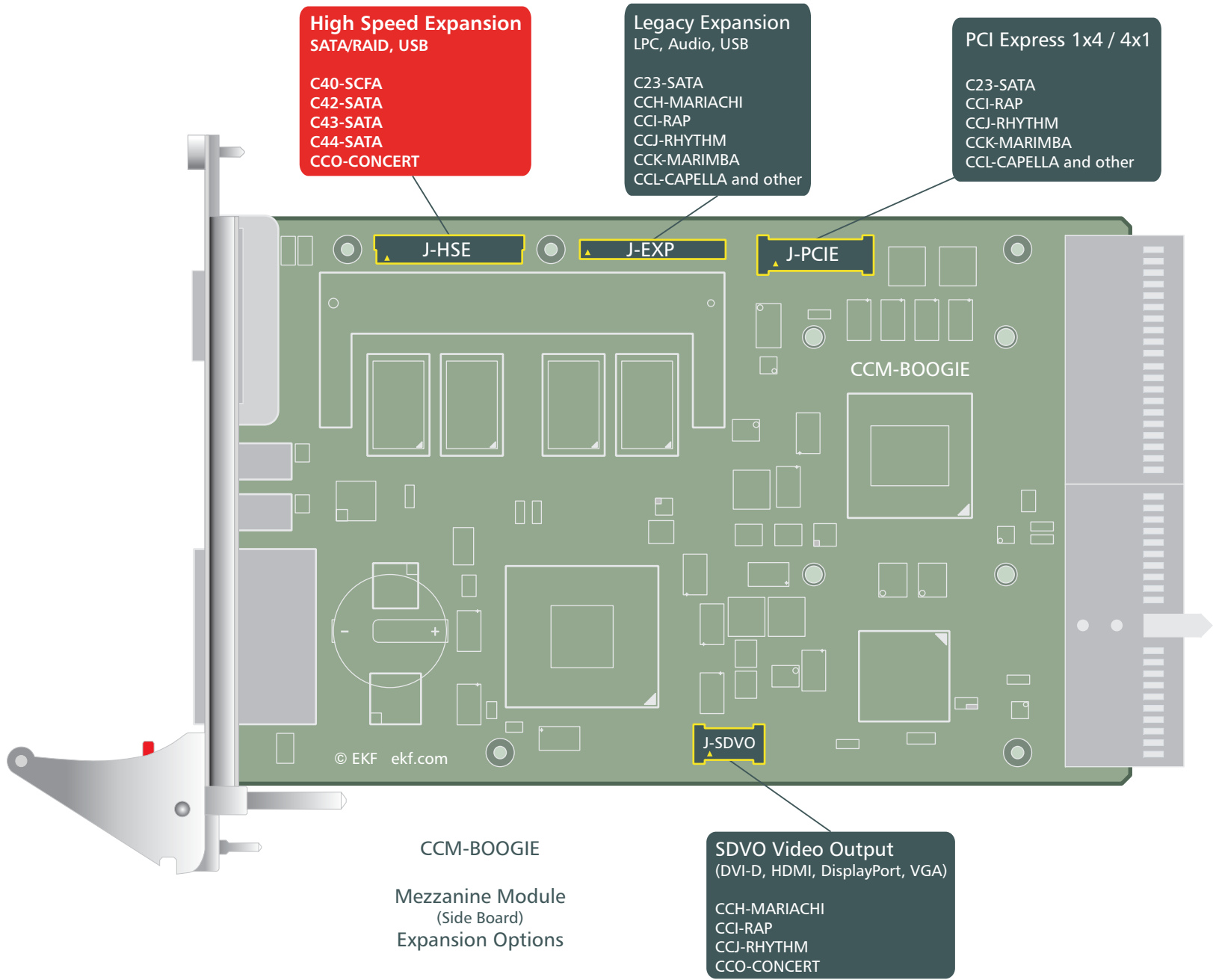
PCI Express 1x4 / 4x1
 C23-SATA
 CCI-RAP
 CCJ-RHYTHM
 CCK-MARIMBA
 CCL-CAPELLA

CCG-RUMBA
 Mezzanine Module
 (Side Board)
 Expansion Options

SDVO Video Output
 (DVI-D, HDMI, DisplayPort, VGA)
 CCH-MARIACHI
 CCI-RAP
 CCJ-RHYTHM

http://www.ekf.com/ccpu/ccg/ccg_e.html

Generation 3: PCIe 4x1/1x4 & SDVO Introduced



High Speed Expansion
SATA/RAID, USB

C40-SCFA
C42-SATA
C43-SATA
C44-SATA
CCO-CONCERT

Legacy Expansion
LPC, Audio, USB

C23-SATA
CCH-MARIACHI
CCI-RAP
CCJ-RHYTHM
CCK-MARIMBA
CCL-CAPELLA and other

PCI Express 1x4 / 4x1

C23-SATA
CCI-RAP
CCJ-RHYTHM
CCK-MARIMBA
CCL-CAPELLA and other

J-HSE

J-EXP

J-PCIE

CCM-BOOGIE

J-SDVO

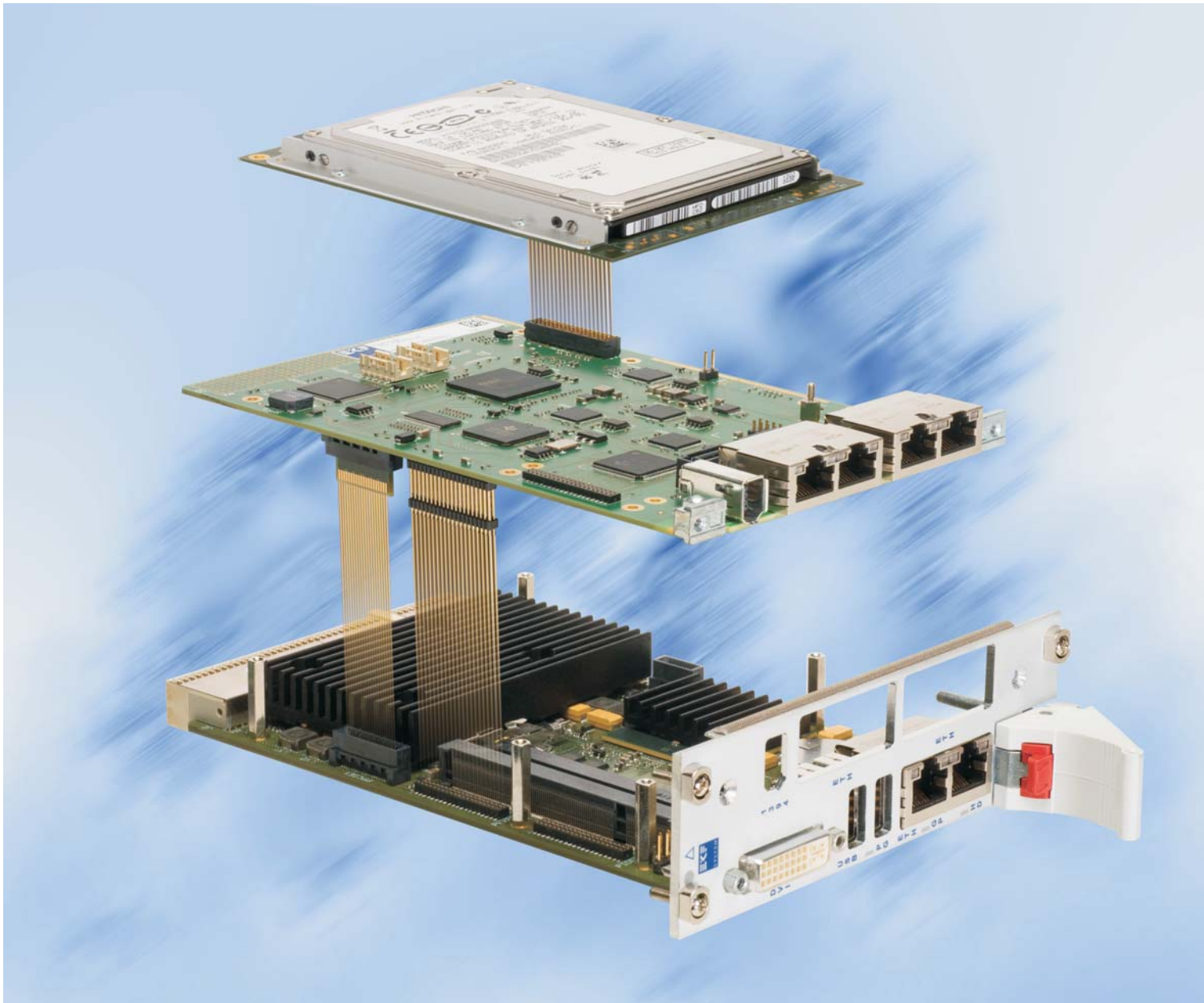
CCM-BOOGIE
Mezzanine Module
(Side Board)
Expansion Options

SDVO Video Output
(DVI-D, HDMI, DisplayPort, VGA)

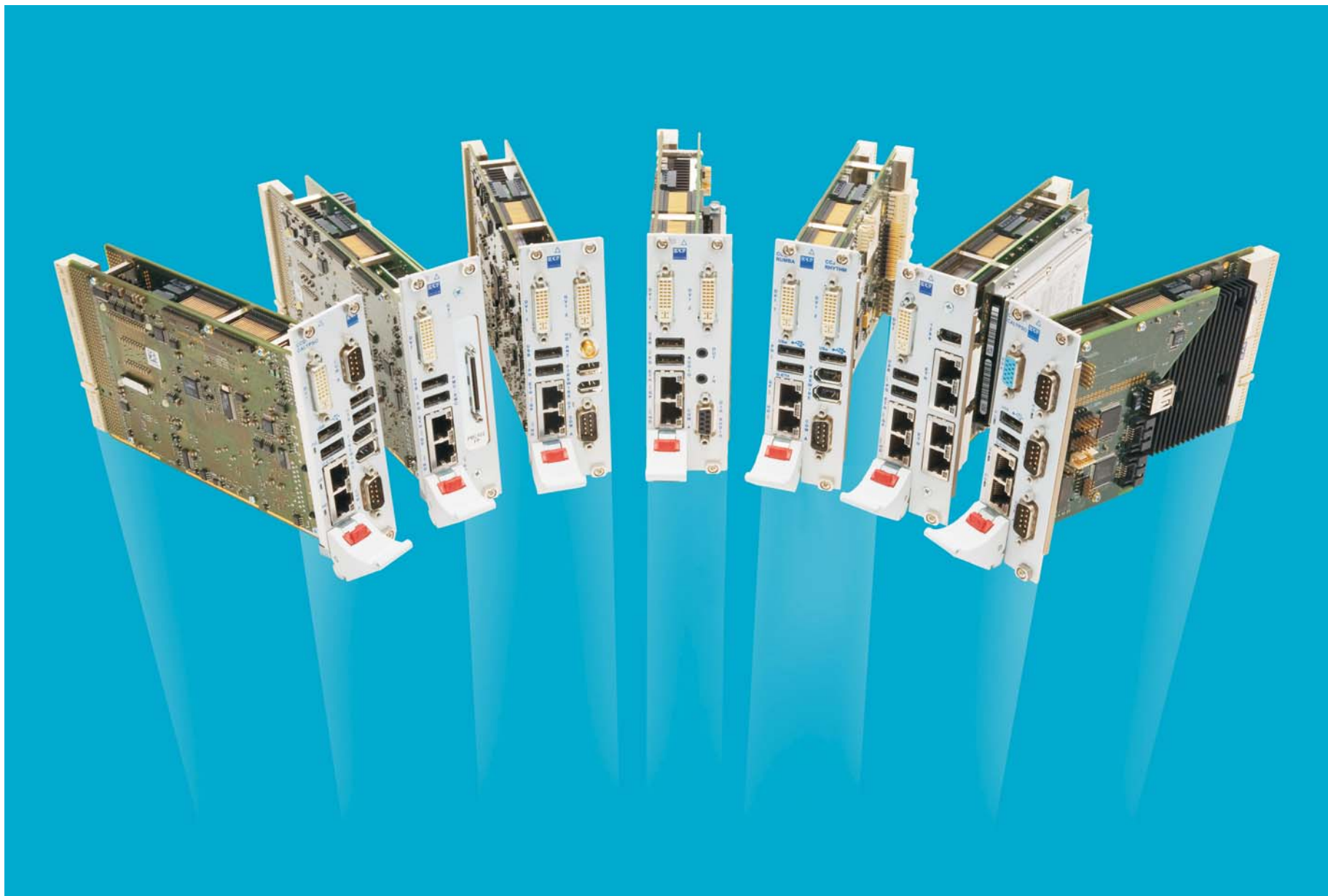
CCH-MARIACHI
CCI-RAP
CCJ-RHYTHM
CCO-CONCERT

http://www.ekf.com/ccpu/ccm/ccm_e.html

Generation 4: SATA Replaces PATA Storage



Sample 8HP Mezzanine Assembly (Exploded View)



Sample Side Boards Available